

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:

**April
2006**

Arnold Schwarzenegger
Governor
State of California

Mike Chrisman
Secretary for Resources
The Resources Agency

Lester A. Snow
Director
Department of Water Resource

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://wwwoco.water.ca.gov>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Rewvisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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The organization shown above represents staff and positions relevant to this report as of the publication date.
It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of April 2006.

April continued the cool and wet pattern which began in March at triple the average precipitation in many watersheds. Instead of melting, the snowpack increased about 20 percent. Most rivers in northern and central California ran high during April with some flooding.

Statewide precipitation from October 1, 2005, through April 30, 2006, was about 140 percent of average, compared to 135 percent for the 2004-05 water-year. Statewide precipitation for the month of April was 250 percent of average. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: "http://cdec.water.ca.gov/snow_rain.html".

Statewide runoff for the 2005-06 water year through April was about 170 percent of average compared to 80 percent at this time in 2005. Statewide runoff for the month of April, 2006, was 240 percent of average. Estimated runoff of the 8 major rivers of the Sacramento and San Joaquin River regions was 8.5 million acre-feet during April. Runoff in the Antelope Lake basin caused 35,428 AF of inflow, resulting in total spill of 32,763 for the month, and nearly 52,000 AF for the year.

Snowpack water content by the end of April was about 185 percent of average and 145 percent of the April 1 average, which is the normal date of maximum accumulation. Snowpack on May 1, 2005, was 150 percent of average.

On April 30, total storage in major SWP reservoirs was about 4.82 MAF, compared with about 4.45 MAF at this time in 2005. The average monthly storage for the year in the major SWP reservoirs at the end of April was about 3.97 MAF. Lake Oroville began the month at 2,898,270 AF; about 100,000 AF encroached into flood regulation space. Oroville releases remained governed by U.S. Army Corps of Engineers rules, while encroached, through the month of April. End of month storage at Lake Oroville was about 3.14 MAF as compared to 2.84 MAF in 2005. The State's share of San Luis Reservoir storage was about 1.06 TAF, as compared with 933 TAF at this time in 2005. The end of month combined storage in our southern reservoirs was about 623 TAF, compared with about 678 TAF at this time in 2005.

Through April, SWP water deliveries for 2006 were about 1.15 MAF. This is a combination of project, transfer, and exchange waters. This was about 180 TAF less than that delivered during the same period in 2005.

The Coordinated Operations Agreement (COA) remained in "Excess" conditions throughout the month of April, 2006. The end-of-month USBR-COA was 0 CFS.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

April 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Mar 31	5002.98	23485									
1	5002.96	23,466	-19	20	0	0	259	4	283	273	
2	5002.94	23,447	-19	20	0	0	251	4	275	265	
3	5003.13	23,627	180	20	0	0	273	4	297	388	
4	5003.22	23,723	96	20	0	0	358	4	382	430	
5	5003.24	23,733	10	20	0	0	396	4	420	425	
6	5003.16	23,656	-77	20	0	0	376	4	400	361	
7	5003.14	23,542	-114	20	0	0	346	4	370	313	
8	5003.14	23,542	0	20	0	0	340	4	364	364	
9	5003.08	23,580	38	20	0	0	323	4	347	366	
10	5003.10	23,599	19	20	0	0	313	3	336	346	
11	5003.12	23,618	19	20	0	0	322	3	345	355	
12	5003.18	23,675	57	20	0	0	346	3	369	398	
13	5003.21	23,704	29	20	0	0	370	3	393	408	
14	5003.28	23,771	67	20	0	0	402	3	425	459	
15	5003.39	23,876	105	20	0	0	463	3	486	539	
16	5003.46	23,943	67	20	0	0	536	3	559	593	
17	5003.37	23,857	-86	20	0	0	523	3	546	503	
18	5003.33	23,819	-38	20	0	0	479	3	502	483	
19	5003.28	23,771	-48	20	0	0	444	3	467	443	
20	5003.35	23,838	67	20	0	0	450	3	473	507	
21	5003.44	23,924	86	20	0	0	515	3	538	581	
22	5003.66	24,136	212	20	0	0	632	3	655	762	
23	5003.67	24,146	10	20	0	0	725	3	748	753	
24	5003.71	24,184	38	20	0	0	750	3	773	792	
25	5003.75	24,223	39	20	0	0	786	3	809	829	
26	5003.83	24,301	78	20	0	0	843	3	866	905	
27	5003.95	24,320	19	20	0	0	941	3	964	974	
28	5004.12	24,583	263	20	0	0	1,051	3	1,074	1,207	
29	5004.28	24,739	156	20	0	0	1,275	3	1,298	1,377	
30	5004.31	24,769	30	20	0	0	1,430		1,450	1,465	
Total cfs-days				---	600	0	16,518	96	17,214	17,861	
Total ac-ft				1,284	1,190	0	32,763	190	34,144	35,428	

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

April 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right				
Mar 31	5583.48	48623								
1	5583.63	48,841	218	2	0	0	0	4	6	
2	5583.90	49,236	395	2	0	0	0	4	6	
3	5584.31	49,839	603	2	0	0	0	4	6	
4	5584.73	50,462	623	2	0	0	0	4	6	
5	5585.06	50,954	492	2	0	0	0	4	6	
6	5585.30	51,314	360	2	0	0	0	4	6	
7	5585.56	51,706	392	2	0	0	0	4	6	
8	5585.77	52,024	318	2	0	0	0	4	6	
9	5586.11	52,526	502	2	0	0	0	4	6	
10	5586.26	52,770	244	2	0	0	0	4	6	
11	5586.51	53,154	384	2	0	0	0	5	7	
12	5586.86	53,693	539	2	0	0	0	5	7	
13	5587.07	54,109	416	2	0	0	0	5	7	
14	5587.31	54,392	283	2	0	0	0	5	7	
15	5587.64	54,924	532	2	0	0	0	5	7	
16	5588.10	55,634	710	2	0	0	0	5	7	
17	5587.53	54,735	-899	2	0	0	0	5	7	
18	5587.75	55,081	346	2	0	0	0	5	7	
19	5588.08	55,602	521	2	0	0	6	5	13	
20	5588.32	55,982	380	2	0	0	26	5	33	
21	5588.71	56,604	622	2	0	0	107	5	114	
22	5589.00	57,070	466	2	0	0	240	5	247	
23	5589.13	57,279	209	2	0	0	283	5	290	
24	5589.29	57,538	259	2	0	0	402	5	409	
25	5589.48	57,846	308	2	0	0	495	5	502	
26	5589.61	58,057	211	2	0	0	582	5	589	
27	5589.63	58,090	33	2	0	0	630	5	637	
28	5589.70	58,204	114	2	0	0	653	5	660	
29	5589.77	58,318	114	2	0	0	700	5	707	
30	5589.80	58,367	49	2	0	0	727	5	734	
Total cfs-days				---	60	0	4,851	140	5,051	
Total ac-ft				9,744	119	0	9,622	278	10,019	
									19,763	

1/ Last Chance Creek Water District

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

April 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right 1/					
Mar 31	5769.38	63364									
1	5769.43	63,537	173	10	0	0	0	12	22	109	
2	5769.49	63,774	237	10	0	0	0	12	22	141	
3	5769.75	64,648	874	19	0	0	0	12	31	471	
4	5769.91	65,207	559	26	0	0	0	12	38	320	
5	5770.00	65,523	316	26	0	0	0	12	38	197	
6	5770.05	65,699	176	26	0	0	0	12	38	127	
7	5770.17	66,122	423	26	0	0	0	11	37	250	
8	5770.23	66,369	247	26	0	0	0	11	37	162	
9	5770.31	66,617	248	26	0	0	0	11	37	162	
10	5770.36	66,795	178	26	0	0	0	11	37	127	
11	5770.49	67,257	462	26	0	0	0	11	37	270	
12	5770.62	67,722	465	9	0	0	0	11	20	254	
13	5770.75	68,188	466	38	0	0	0	11	49	284	
14	5770.88	68,656	468	83	0	0	0	11	94	330	
15	5771.04	69,234	578	83	0	0	0	11	94	385	
16	5771.23	69,960	726	83	0	0	0	11	94	460	
17	5771.31	70,216	256	83	0	0	0	11	94	223	
18	5771.34	70,325	109	83	0	0	0	11	94	149	
19	5771.37	70,435	110	115	0	0	0	11	126	181	
20	5771.39	70,508	73	124	0	0	0	11	135	172	
21	5771.49	70,874	366	126	0	0	0	11	137	322	
22	5771.61	71,315	441	126	0	0	0	11	137	359	
23	5771.69	71,610	295	126	0	0	0	11	137	286	
24	5771.79	71,979	369	126	0	0	0	11	137	323	
25	5771.94	72,535	556	126	0	0	0	11	137	417	
26	5772.08	73,056	521	126	0	0	0	11	137	400	
27	5772.19	73,467	411	172	0	0	0	11	183	390	
28	5772.29	73,692	225	197	0	0	0	11	208	321	
29	5772.42	74,330	638	197	0	0	0	11	208	530	
30	5772.51	74,669	339	197	0	0	0	11	208	379	
Total cfs-days				---	2,467	0	0	336	2,803	8,502	
Total ac-ft				11,305	4,893	0	0	667	5,560	16,865	

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli)

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

April 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow						Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Deliveries to Lime Saddle Marina	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Mar 31	856.70	2,899,230									
	1	2,898,270	-960	27,379	0	0	22	7,909	35,310	0	34,350
	2	2,897,310	-960	25,198	0	0	0	9,017	34,215	0	33,255
	3	2,940,725	43,415	28,588	0	0	88	14,184	42,860	0	86,275
	4	2,965,459	24,734	28,558	0	0	52	33,824	62,434	0	87,168
	5	2,975,086	9,627	28,383	0	0	22	32,748	61,153	0	70,780
	6	2,970,619	-4,467	28,269	0	0	60	34,008	62,337	0	57,870
	7	2,957,105	-13,514	28,066	0	0	97	34,591	62,754	0	49,240
	8	2,942,665	-14,440	28,534	0	0	134	34,314	62,982	0	48,542
	9	2,930,623	-12,042	27,857	0	0	51	25,855	53,763	0	41,721
	10	2,930,900	277	27,465	0	0	88	13,074	40,627	0	40,904
	11	2,933,665	2,765	28,381	0	0	7	11,731	40,119	0	42,884
	12	2,953,352	19,687	27,409	0	0	8	10,550	37,967	0	57,654
	13	2,958,358	5,006	27,020	0	0	52	18,182	45,254	0	50,260
	14	2,952,657	-5,701	26,356	0	0	156	24,818	51,330	0	45,629
	15	2,953,213	556	23,616	0	0	112	27,915	51,643	0	52,199
	16	2,983,616	30,403	25,927	0	0	52	23,745	49,724	0	80,127
	17	2,995,671	12,055	26,694	0	0	134	23,207	50,035	0	62,090
	18	2,998,058	2,387	26,661	0	0	127	23,512	50,300	0	52,687
	19	3,002,836	4,778	27,991	0	0	202	17,645	45,838	0	50,616
	20	3,010,435	7,599	27,285	0	0	157	13,103	40,545	0	48,144
	21	3,017,484	7,049	27,684	0	0	180	12,711	40,575	0	47,624
	22	3,026,099	8,615	27,924	0	0	90	12,446	40,460	0	49,075
	23	3,034,306	8,207	26,200	0	0	53	13,669	39,922	0	48,129
	24	3,042,104	7,798	27,035	0	0	91	13,396	40,522	0	48,320
	25	3,049,347	7,243	25,380	0	0	106	14,025	39,511	0	46,754
	26	3,060,021	10,674	26,119	0	0	106	10,504	36,729	0	47,403
	27	3,072,864	12,843	25,648	0	0	174	8,446	34,268	0	47,111
	28	3,090,478	17,614	26,696	0	0	289	7,343	34,328	0	51,942
	29	3,112,488	22,010	26,729	0	0	276	6,496	33,501	0	55,511
	30	3,136,783	24,295	27,509	0	0	77	5,740	33,326	0	57,621
Total				237,553	812,561	0	0	3,063	538,708	1,354,332	0
											1,591,885

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

April 2006

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County 4/	Thermalito Irrigation District	Releases To River 5/	Hyatt Powerplant Pumpback	
Mar 31	23,737										
1	23,646	-91	35,288	510	0	33,338	1	3	2,231	0	-316
2	23,461	-185	34,215	488	0	32,694	1	3	2,231	0	41
3	22,467	-994	42,772	511	0	34,677	0	3	10,044	0	447
4	23,188	721	62,382	510	0	34,141	0	3	26,607	0	-1,420
5	22,882	-306	61,131	510	0	33,811	0	3	26,607	0	-1,526
6	22,875	-7	62,277	509	0	34,304	0	3	26,607	0	-1,879
7	23,016	141	62,657	509	0	34,266	0	3	26,607	0	-2,149
8	23,172	156	62,848	504	0	34,320	0	3	26,607	0	-2,266
9	23,473	301	53,712	500	0	34,249	0	3	17,046	0	-2,613
10	23,192	-281	40,539	500	0	34,166	0	3	6,315	0	-836
11	23,421	229	40,112	502	0	33,587	0	3	6,315	0	-480
12	23,149	-272	37,959	500	0	32,538	0	3	6,315	0	125
13	23,172	23	45,202	444	0	33,154	0	3	11,572	0	-894
14	23,332	160	51,174	507	0	33,504	0	2	16,610	0	-1,405
15	23,381	49	51,531	508	0	33,026	0	2	16,550	0	-2,412
16	23,461	80	49,672	509	0	33,528	0	2	16,669	0	98
17	23,536	75	49,901	509	0	33,542	0	2	16,649	0	-142
18	23,552	16	50,173	508	0	33,546	0	2	16,649	0	-468
19	23,503	-49	45,636	508	0	34,246	0	2	10,977	0	-968
20	23,475	-28	40,388	508	0	33,562	0	2	6,355	0	-1,005
21	23,554	79	40,395	508	0	34,153	0	2	6,355	0	-314
22	23,392	-162	40,370	460	0	34,049	0	2	6,355	0	-586
23	23,504	112	39,869	509	0	34,040	0	2	6,355	0	131
24	23,414	-90	40,431	509	0	34,243	0	2	6,355	0	-430
25	23,536	122	39,405	509	0	33,528	0	2	6,375	0	113
26	23,776	240	36,623	509	0	29,653	0	2	7,446	0	209
27	23,739	-37	34,094	509	0	25,950	0	2	8,438	0	-250
28	23,544	-195	34,039	508	0	29,261	0	2	4,887	0	-592
29	23,863	319	33,225	508	0	32,144	0	2	1,424	0	156
30	23,313	-550	33,249	508	0	32,178	0	2	1,414	0	-713
Total		-424	1,351,269	15,091	0	993,398	2	73	350,967	0	-22,344

1/ Sum of Thermalito Forebay and Diversion Pool.

4/ Includes 2 AF of entitlement water to Del Oro WD and 0 AF to Cal Water.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

5/ The sum of the flows from fish barrier dam and the fish hatchery.

3/ Includes Bypass flows at Thermalito.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

April 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Mar 31	133.43	44,491										
1	133.46	44,607	116	33,338	0	0	0	0	33,918	0	696	36,149
2	133.58	45,073	466	32,694	0	0	0	0	33,918	0	1,690	36,149
3	133.99	46,681	1,608	34,677	0	0	0	0	33,918	0	849	43,962
4	133.99	46,681	0	34,141	0	0	0	0	33,918	0	-223	60,525
5	133.90	46,326	-355	33,811	0	0	0	0	33,918	0	-248	60,525
6	133.82	46,011	-315	34,304	0	0	0	0	33,918	0	-701	60,525
7	133.86	46,168	157	34,266	0	0	0	0	33,918	0	-191	60,525
8	133.87	46,208	40	34,320	0	0	0	0	33,918	0	-362	60,525
9	133.91	46,365	157	34,249	0	0	0	0	33,918	0	-174	50,964
10	134.02	46,800	435	34,166	0	0	0	0	33,918	0	187	40,233
11	133.92	46,405	-395	33,587	0	0	0	0	33,918	0	-64	40,233
12	133.78	45,854	-551	32,538	0	0	0	0	33,918	0	829	40,233
13	133.78	45,854	0	33,154	0	0	0	0	33,918	0	764	45,490
14	133.99	46,681	827	33,504	0	0	0	0	33,918	0	1,241	50,528
15	134.04	46,878	197	33,026	0	0	0	0	33,918	0	1,089	50,468
16	134.10	47,116	238	33,528	0	0	0	0	33,918	0	628	50,587
17	133.95	46,523	-593	33,542	0	0	0	0	33,918	0	-217	50,567
18	133.90	46,326	-197	33,546	0	0	0	0	33,918	0	175	50,567
19	133.88	46,247	-79	34,246	0	0	0	0	33,918	0	-407	44,895
20	133.87	46,208	-39	33,562	0	0	0	0	33,918	0	317	40,273
21	133.84	46,090	-118	34,153	0	0	0	0	33,918	0	-353	40,273
22	133.90	46,326	236	34,049	0	0	0	0	33,918	0	105	40,273
23	133.98	46,642	316	34,040	0	0	0	0	33,918	0	194	40,273
24	134.02	46,800	158	34,243	0	0	0	0	33,918	0	-167	40,273
25	134.00	46,721	-79	33,528	0	0	0	0	33,918	0	311	40,293
26	134.02	46,800	79	29,653	0	0	0	0	29,554	0	-20	37,000
27	134.03	46,839	39	25,950	0	0	0	0	25,984	0	73	34,422
28	134.24	47,671	832	29,261	0	0	0	0	29,356	0	927	34,243
29	134.99	47,472	-199	32,144	0	0	0	0	32,728	0	385	34,152
30	134.10	47,116	-356	32,178	0	0	0	0	32,728	0	194	34,142
Total		2,625		993,398	0	0	0	0	998,300	0	7,527	1,349,267

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

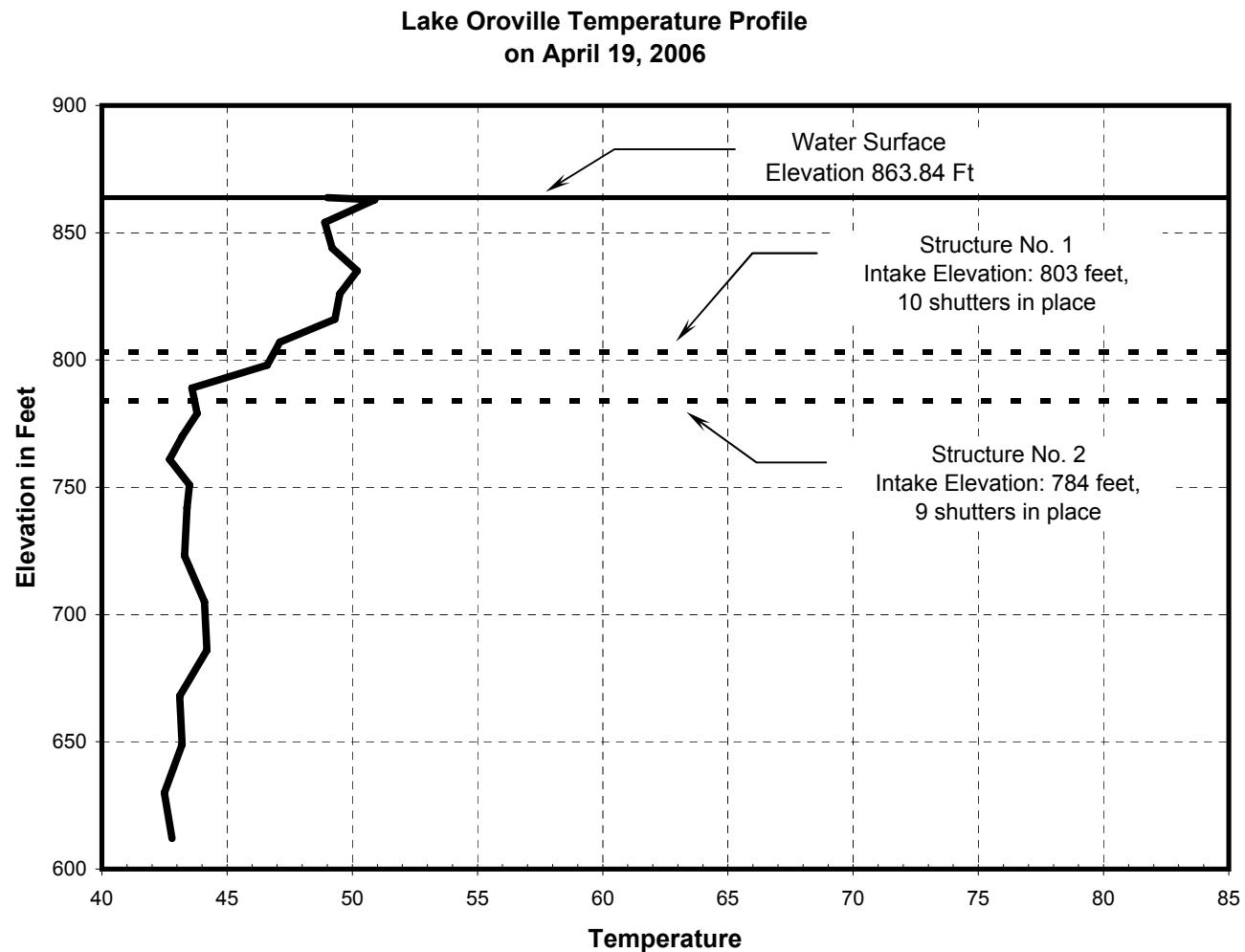
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

April 2006

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	46	45
2	47	45
3	46	45
4	47	46
5	47	46
6	48	46
7	48	46
8	48	45
9	48	46
10	48	46
11	48	46
12	48	46
13	49	47
14	49	48
15	49	46
16	48	45
17	47	46
18	49	48
19	50	48
20	50	48
21	50	48
22	50	48
23	50	48
24	51	47
25	51	48
26	51	48
27	52	48
28	53	49
29	53	48
30	53	48



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

April 2006

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		Structure			Table A		Permit	Article 21	
	No.	Structure	Mile	M & I		Benicia				
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	1,267					
		Travis Surge Tank	8.78							
			8.80	Solano County Water Agency Travis AFB	0					
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	0					
				Solano County Water Agency Fairfield / Vacaville 42"	0					
			17.00	Solano County Water Agency Central Solano	Stub					
2		Cordelia Forebay	21.23							
		Cordelia Pumping Plant & Cordelia Spillway	21.30		1,234					
3A	2	Napa Pipeline	21.33	Solano County Water Agency Vallejo	40			1/ 25	15	
				Solano County Water Agency Benicia	406			275	131	
		Cordelia Surge Tank	23.33							
		Creston Surge Tank Connection	25.65							
			26.95	Napa County Flood Control & WCD American Canyon 2	0					
			27.27	Napa County Flood Control & WCD American Canyon 3	0					
3B		Napa Terminal Tank	27.58	City of Napa	610	610				
			27.60	Napa County Flood Control & WCD American Canyon 1	178	178				

1/ Includes 4 AF of Napa Co. FC&WCD entitlement through Solano Co.'s turnout (Reach 3A) for delivery to American Canyon and 21 AF of Solano County WA entitlement to the City of Vallejo.

Table 9. Delta Field Division Plant Data

(in acre-feet)

April 2006

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	18	13	5,761	5,761	30	0	0	208
2	17	20	4,705	4,705	36	0	0	218
3	25	27	3,837	3,837	41	0	0	198
4	34	31	3,160	3,160	30	0	0	208
5	47	46	982	982	45	0	0	208
6	40	42	991	991	37	0	0	213
7	42	36	2,527	2,527	40	0	0	227
8	46	45	3,922	3,922	29	0	0	227
9	42	41	3,917	3,917	30	0	0	227
10	40	40	3,900	3,900	30	0	0	227
11	59	55	3,826	3,826	31	0	0	227
12	45	46	3,613	3,613	32	0	0	227
13	40	36	4,038	4,038	30	0	0	228
14	43	43	2,606	2,606	30	0	0	223
15	40	37	3,952	3,952	31	0	0	218
16	37	39	10,503	10,503	36	0	0	197
17	43	43	3,872	3,872	30	0	0	139
18	43	41	3,884	3,884	30	0	0	119
19	47	43	5,525	5,525	47	0	0	102
20	37	43	5,369	5,369	56	0	0	0
21	45	41	10,763	10,763	58	0	0	101
22	43	41	11,854	11,854	59	0	0	168
23	45	42	13,260	13,260	58	0	0	195
24	42	43	6,950	6,950	81	0	0	194
25	45	44	7,363	7,363	143	0	0	99
26	46	42	4,873	4,873	171	0	0	50
27	33	35	4,882	4,882	172	0	0	50
28	63	61	7,618	7,618	172	0	0	38
29	69	66	8,727	8,727	171	0	0	0
30	51	52	8,727	8,727	171	0	0	14
Total	1,267	1,234	165,907	165,907	1,957	0	0	4,750

Table 10. Clifton Court Forebay

Daily Operation of Gates

April 2006

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	0:01	5:45							5,933
2	0:01	6:30							4,942
3	0:01	6:45							3,966
4	0:01	3:30							2,837
5	12:45	18:00							982
6	0:01	3:54							991
7	0:01	8:00							2,462
8	1:00	6:25							3,965
9	1:45	11:30							3,960
10	2:15	6:30							3,965
11	2:45	9:00							3,955
12	0:30	4:15	18:55	---					3,958
13	---	4:15	19:23	22:18					3,951
14	0:01	5:00	19:08	20:30					3,942
15	0:05	5:45	9:50	14:30	20:30	22:34			3,952
16	0:38	5:35	18:30	---					5,345
17	---	6:45	19:30	---					3,958
18	---	7:30	20:15	---					5,435
19	---	8:15	14:47	---					5,439
20	---	9:00	23:30	---					5,455
21	---	11:15							8,932
22	0:01	12:45	19:45	21:00					11,875
23	0:38	13:45	18:20	22:00					11,883
24	1:00	14:10	19:30	22:00					6,929
25	1:45	15:30							7,427
26	0:01	3:30	6:35	12:15	22:45	---			4,938
27	---	4:15	8:30	11:15	21:15	---			4,946
28	---	5:00	10:06	13:00	16:00	18:00	19:55	---	7,425
29	---	5:30	8:15	13:20	22:35	---			8,727
30	---	6:30	9:30	15:30	22:02	---			8,727
Total inflow for the month in AF:									161,202

Table 11. Governor Edmund G. Brown California Aqueduct
 Delta Field Division, Monthly Deliveries

(In acre-feet)

April 2006

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A	USBR	Local	Loan Water	Dry Year Purchase	
	No.	Structure	Mile							
1	Banks Pumping Plant	3.32		165,907	10	2	46	32	10	
	South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aqueduct)	1,957						
	Check No. 1	5.95								
		8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0						
	Check No. 2	12.01								
	3	12.47	Musco Olive	10						
		Check No. 3	18.29							
	4	22.16	Tracy Golf & Country Club	0						
		Check No. 4	23.99							
2A	5	Check No. 5	29.73							
	6	Check No. 6	34.24							
	7	35.22	Turlock Fruit Company Inflow	0						
		Check No. 7	39.91							
	8	42.46	Oak Flat Water District-A	2						
		42.9	Western Hills WD	46						
		43.81	Oak Flat Water District-B	0						
		44.64	Oak Flat Water District-C	32						
		Check No. 8	45.97							
2B	9	46.18	Oak Flat Water District-D	10						
			Oak Flat Totals:	44	44	0	0	0	0	
	Check No. 9	51.3								
	10	Check No. 10	56.86							
	11	Check No. 11	61.4							
	12	66.14	Veteran's Cemetery	1						
		Check No. 12	66.71							
				155,453						

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

April 2006

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A	Article 21	Purchase Pool B	Local	Rec.	
	No.	Structure	Mile								
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	1,957	1	527	13	4	92	
			3.17	Granite - Vasco Rd. (Temp.)	0						
			3.18	Oakland Scavenger Zone 7	1						
		Check No. 1	3.91								
	2	Check No. 2	5.21								
			7.15	Zone 7 Water Agency Altamont	0						
2	3	Check No. 3	9.49	Zone 7 Water Agency Patterson		13	1,084	1,084	1,539	3,423	
				Inflow Exchange							
				Project Water	527						
	4	Check No. 4	10.68								
		Check No. 5	12.29								
	6			13.55	Zone 7 Water Agency Wente #1						
				14.16	Zone 7 Water Agency Wente #2						
				14.31	Zone 7 Water Agency Ising						
				Check No. 6	14.65						
4	7			14.78	Zone 7 Water Agency Arroyo Mocho Project Water	12	92	4	1,539	3,423	
				Check No. 7	16.38						
				16.57	Zone 7 Water Agency Wente #3						
				16.63	Zone 7 Water Agency Wente #4						
				16.69	Zone 7 Water Agency Norman Nursery						
				16.70	Zone 7 Water Agency Concannon Project Water						
				Del Valle Branch Pipeline Junction	18.63	Pumped into Lake Del Valle	0				
5	8	Deliveries through Del Valle Branch Pipeline		Pumped into South Bay Aqueduct		0					
				Gravity into South Bay Aqueduct		4,750					
					Zone 7 Water Agency Arroyo Valle #1 & #2						
					Storage Exchange	0					
					Project Water	0					
					Storage Released	0					
					Inflow Release	92					
					East Bay Regional Park Dist.						
6					Del Valle Recreation	4					
					Zone 7 Water Agency Wente #5	12					
					Zone 7 Water Agency So. Livermore Project	0					
7		La Costa Tunnel		19.20	Inflow Released	0					
				19.21	Storage Exchange	1,084					
8		Mission Tunnel		22.50	Zone 7 Water Agency Kalthrof Detjens	6					
				25.97	ACWD Vallecitos Project Water	0					
9		Santa Clara Pipeline		28.97	City of San Francisco San Antonio	0					
					ACWD - Bayside 1 & 2 Inflow Release	1,539					
					Storage Released	0					
					Storage Exchange	0					

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

April 2006

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow	
Mar 31	703.95	40,590									
1	704.11	40,704	114	519	0	192	208	0	5	405	0.46
2	704.13	40,719	15	430	0	192	218	0	5	415	0.02
3	704.70	41,128	409	800	0	192	198	0	1	391	0.29
4	706.63	42,535	1,407	1,809	0	192	208	0	2	402	0.95
5	706.44	42,395	-140	262	0	192	208	0	2	402	0.38
6	705.65	41,817	-578	-170	0	192	213	0	3	408	0.02
7	703.58	40,326	-1,491	-1,068	0	192	227	0	4	423	0.00
8	704.04	40,654	328	749	0	192	227	0	2	421	0.19
9	704.25	40,805	151	574	0	192	227	0	4	423	0.00
10	704.44	40,941	136	560	0	192	227	0	5	424	0.01
11	704.11	40,704	-237	184	0	192	227	0	2	421	0.18
12	703.84	40,511	-193	231	0	192	227	0	5	424	0.06
13	703.97	40,604	93	514	0	192	228	0	1	421	0.33
14	703.99	40,618	14	436	0	192	223	0	7	422	0.00
15	704.60	41,056	438	856	0	192	218	0	8	418	0.11
16	704.13	40,719	-337	56	0	192	197	0	4	393	0.03
17	704.30	40,841	122	457	0	191	139	0	5	335	0.57
18	704.51	40,991	150	466	0	191	119	0	6	316	0.00
19	704.63	41,078	87	386	0	191	102	0	6	299	0.00
20	704.74	41,157	79	279	0	191	0	0	9	200	0.00
21	704.82	41,215	58	357	0	191	101	0	7	299	0.00
22	704.74	41,157	-58	304	0	191	168	0	3	362	0.00
23	704.68	41,114	-43	347	0	191	195	0	4	390	0.00
24	704.59	41,049	-65	324	0	191	194	0	4	389	0.00
25	704.62	41,071	22	316	0	191	99	0	4	294	0.00
26	704.69	41,121	50	296	0	191	50	0	5	246	0.00
27	704.74	41,157	36	286	0	191	50	1	8	250	0.00
28	704.80	41,200	43	283	0	191	38	1	10	240	0.00
29	704.89	41,265	65	265	0	191	0	1	8	200	0.00
30	704.93	41,294	29	241	0	191	14	1	6	212	0.00
Total		704	11,350	0	5,746	4,750	4	146	10,646	3.60	

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ Includes 1,631 AF of natural inflow released, 2,035 AF of project water released, and 1,084 AF of stored water released to South Bay Aqueduct through Del Valle Pumping Plant.

3/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

April 2006

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/	
Mar 31	222.86	50,673										
1	223.05	51,180	507	0	776	0	2,611	0	0	3,268	8	145
2	222.35	49,314	-1,866	0	747	0	2,344	0	0	4,252	8	228
3	222.27	49,102	-212	0	820	0	1,612	0	0	2,540	8	9
4	223.17	51,500	2,398	0	861	0	1,641	0	0	1,431	8	146
5	223.23	51,661	161	0	1,023	0	770	0	0	1,718	9	15
6	223.32	51,901	240	0	955	0	567	0	0	1,950	4	553
7	222.71	50,273	-1,628	0	933	0	1,082	0	0	2,652	4	-180
8	222.43	49,527	-746	0	915	0	2,270	0	0	3,705	4	148
9	221.65	47,467	-2,060	0	766	0	1,429	0	0	3,125	4	-105
10	221.60	47,336	-131	0	605	0	1,693	0	143	2,232	4	15
11	221.39	46,784	-552	0	646	0	1,643	0	860	1,927	4	224
12	221.44	46,915	131	0	698	0	1,804	0	0	2,570	7	141
13	221.63	47,414	499	0	685	0	1,938	0	0	2,327	3	-41
14	221.09	45,996	-1,418	0	272	0	1,526	0	0	2,568	3	58
15	218.97	40,508	-5,488	0	94	0	0	0	0	2,832	3	-26
16	219.96	43,048	2,540	0	19	0	4,470	0	0	2,973	3	-232
17	220.57	44,635	1,587	0	55	0	2,574	0	0	1,924	3	98
18	220.29	43,905	-730	0	112	0	2,129	0	0	2,590	3	-16
19	219.07	40,762	-3,143	0	87	0	2,603	0	0	4,363	6	94
20	218.46	39,221	-1,541	0	149	0	2,440	0	0	3,360	9	3
21	218.16	38,470	-751	0	15	0	5,144	0	0	5,428	9	-101
22	218.68	39,775	1,305	0	0	0	5,792	0	0	5,009	9	-116
23	219.37	41,528	1,753	0	0	0	6,442	0	0	5,518	9	-31
24	219.37	41,528	0	0	0	0	3,715	0	0	3,699	9	-7
25	219.85	42,764	1,236	0	1,170	0	3,594	0	0	4,151	9	19
26	219.67	42,299	-465	0	1,503	0	2,597	0	0	4,285	10	-39
27	218.75	39,951	-2,348	0	1,508	0	1,894	0	0	4,543	9	-34
28	218.67	39,750	-201	0	1,142	879	3,571	0	0	5,567	9	-117
29	219.22	41,145	1,395	0	1,066	705	4,819	0	1,060	4,959	10	142
30	219.72	42,428	1,283	0	1,166	1,670	3,657	0	283	5,573	10	20
Total		-8,245	0	18,788	3,254	78,371	0	2,346	103,039	198	1,013	
Mean cfs		---	0	626	108	2,612	0	78	3,435	7	34	
Acre-feet		-8,245	0	37,266	6,454	155,453	0	4,655	204,384	392	2,013	

1/ Pump-in located at Mile 79.67R.

2/ Includes 18 AF delivered to DFG at O'Neill Forebay, 4 AF to P&R, and 370 AF to San Luis Water District.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

April 2006

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet) 1/	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 2/	Parks and Rec. Del.		
Mar 31	543.30	2,031,649							
1	543.10	2,029,106	-2,543	0	0	15	0	-1,267	
2	543.10	2,029,106	0	0	0	15	0	15	
3	543.10	2,029,106	0	0	0	15	0	15	
4	543.10	2,029,106	0	0	0	15	0	15	
5	542.90	2,026,565	-2,541	0	0	14	0	-1,267	
6	542.90	2,026,565	0	0	0	14	0	14	
7	542.90	2,026,565	0	0	0	15	0	15	
8	542.90	2,026,565	0	0	0	15	0	15	
9	542.90	2,026,565	0	0	0	15	0	15	
10	542.90	2,026,565	0	143	0	16	0	-127	
11	543.00	2,027,835	1,270	860	0	15	0	-205	
12	543.02	2,028,090	255	0	0	15	0	144	
13	543.02	2,028,090	0	0	0	18	0	18	
14	543.02	2,028,090	0	0	0	16	0	16	
15	543.02	2,028,090	0	0	0	19	0	19	
16	543.00	2,027,835	-255	0	0	17	0	-112	
17	543.00	2,027,835	0	0	0	15	0	15	
18	543.20	2,030,377	2,542	0	0	87	0	1,369	
19	543.20	2,030,377	0	0	0	149	0	149	
20	543.20	2,030,377	0	0	0	120	0	120	
21	543.10	2,029,106	-1,271	0	0	109	0	-532	
22	543.10	2,029,106	0	0	0	47	0	47	
23	543.07	2,028,725	-381	0	0	48	0	-144	
24	543.05	2,028,471	-254	0	0	45	0	-83	
25	543.01	2,027,963	-508	0	0	53	0	-203	
26	543.00	2,027,835	-128	0	0	46	0	-19	
27	543.00	2,027,835	0	0	0	32	0	32	
28	542.90	2,026,565	-1,270	0	879	21	0	260	
29	542.90	2,026,565	0	1,060	705	24	0	-331	
30	542.70	2,024,025	-2,540	283	1,670	56	1	163	
Total			-7,624	2,346	3,254	1,101	1	-1,834	
Mean cfs			---	78	108	37	0	-61	
Acre-feet			-7,624	4,655	6,454	2,180	1	-3,644	

1/ Water surface elevations remained constant for multiple days due to equipment problems.

2/ Pacheco Tunnel, San Felipe Split; Santa Clara: 1,474 AF and San Benito: 706 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

April 2006

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant			San Felipe Project	
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	6,483	4,458	0	0	0	0	29
2	8,434	6,528	0	0	0	0	29
3	5,039	3,006	0	0	0	0	29
4	2,839	815	0	0	0	0	29
5	3,408	3,408	0	0	0	0	28
6	3,868	3,868	0	0	0	0	28
7	5,260	5,260	0	0	0	0	29
8	7,349	7,349	0	0	0	0	29
9	6,198	6,198	0	0	0	0	30
10	4,428	4,428	0	0	284	284	32
11	3,823	3,823	0	0	1,706	1,706	29
12	5,097	5,097	0	0	0	0	30
13	4,615	4,615	0	0	0	0	35
14	5,093	5,093	0	0	0	0	32
15	5,617	5,617	0	0	0	0	37
16	5,896	5,896	0	0	0	0	34
17	3,817	3,817	0	0	0	0	30
18	5,137	5,137	0	0	0	0	172
19	8,655	8,655	0	0	0	0	296
20	6,664	6,664	0	0	0	0	238
21	10,766	10,766	0	0	0	0	217
22	9,936	7,549	0	0	0	0	94
23	10,944	8,521	0	0	0	0	95
24	7,337	4,986	0	0	0	0	89
25	8,234	5,768	0	0	0	0	105
26	8,500	5,534	0	0	0	0	91
27	9,012	6,019	0	0	0	0	63
28	11,043	8,099	1,744	1,744	0	0	42
29	9,837	6,889	1,398	1,398	2,103	2,103	48
30	11,055	8,130	3,312	3,312	562	562	111
Total	204,384	171,993	6,454	6,454	4,655	4,655	2,180

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

April 2006

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity 34,560 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Mar 31	328.21	20,769					
1	327.73	20,543	-226	86	0	200	0.1
2	327.72	20,538	-5	47	0	50	1.0
3	327.92	20,632	94	47	0	0	0.8
4	328.24	20,783	151	76	0	0	0.3
5	328.66	20,982	199	184	0	83	-1.3
6	328.50	20,906	-76	162	0	200	-0.6
7	328.02	20,679	-227	86	0	200	-0.9
8	328.06	20,698	19	59	0	50	1.1
9	328.27	20,797	99	50	0	0	-0.2
10	328.48	20,896	99	50	0	0	-0.2
11	328.65	20,977	81	41	0	0	-0.3
12	328.78	21,038	61	31	0	0	-0.5
13	328.92	21,105	67	34	0	0	-0.4
14	329.05	21,167	62	31	0	0	0.5
15	329.12	21,200	33	17	0	0	-0.7
16	329.20	21,239	39	20	0	0	-0.7
17	329.31	21,291	52	26	0	0	0.4
18	329.41	21,339	48	24	0	0	0.4
19	329.48	21,373	34	17	0	0	0.3
20	329.56	21,411	38	19	0	0	0.3
21	329.62	21,440	29	15	0	0	-0.8
22	329.66	21,459	19	10	0	0	-0.8
23	329.71	21,483	24	12	0	0	0.2
24	329.76	21,507	24	12	0	0	0.2
25	329.80	21,526	19	10	0	0	-0.8
26	329.87	21,560	34	17	0	0	0.3
27	329.91	21,579	19	10	0	0	-0.8
28	329.95	21,598	19	10	0	0	-0.8
29	329.97	21,608	10	5	0	0	0.1
30	330.01	21,627	19	10	0	0	-0.8
Total			858	1,218	0	783	-4.6
Mean cfs			---	41	0	26	---
Acre-feet			858	2,416	0	1,553	-5

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

April 2006

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Mar 31	602.65	829					
1	602.65	829	0	2	0	2	0
2	602.65	829	0	2	0	2	0
3	602.65	829	0	2	0	2	0
4	602.65	829	0	2	0	2	0
5	602.65	829	0	2	0	2	0
6	602.65	829	0	2	0	2	0
7	602.65	829	0	2	0	2	0
8	602.65	829	0	2	0	2	0
9	602.65	829	0	2	0	2	0
10	602.65	829	0	2	0	2	0
11	602.65	829	0	2	0	2	0
12	602.65	829	0	2	0	2	0
13	602.65	829	0	2	0	2	0
14	602.65	829	0	2	0	2	0
15	602.65	829	0	2	0	2	0
16	602.65	829	0	2	0	2	0
17	602.65	829	0	2	0	2	0
18	602.65	829	0	2	0	2	0
19	602.65	829	0	2	0	2	0
20	602.65	829	0	2	0	2	0
21	602.65	829	0	2	0	2	0
22	602.65	829	0	2	0	2	0
23	602.65	829	0	2	0	2	0
24	602.65	829	0	2	0	2	0
25	602.65	829	0	2	0	2	0
26	602.65	829	0	2	0	2	0
27	602.65	829	0	2	0	2	0
28	602.65	829	0	2	0	2	0
29	602.65	829	0	2	0	2	0
30	602.65	829	0	2	0	2	0
Total			0	60	0	60	0
Mean cfs			---	2	0	2	---
Acre-feet			0	119	0	119	0

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

April 2006

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		Structure			USBR	Transfer	DWR	USBR	
	No.	Structure	Mile	Recreation				Recreation		
2B	12	Check No. 12	66.71		155,453					
3A	San Luis Reservoir			Department of Parks and Recreation	1	1,474	706	1	0	
				San Felipe Division Santa Clara Water District	1,474					
				Casa de Fruita Santa Clara Water District	0					
				San Felipe Division San Benito Water District	706					
				Reach 3A Subtotal:	2,181	2,180	0	1	0	
3	O'Neill Forebay	70.85		Department of Parks and Recreation	4			2	2	
				Cattle Program	0			0	0	
				Department of Fish & Game	18			10	8	
		70.91 Thru 85.08		San Luis Water District	370	370				
				(Floodwater Inflow)	0					
				Reach 3 Subtotal:	392	370	0	12	10	
		Dos Amigos Pumping Plant	86.73		204,384					
4	14	89.03 Thru 94.06		San Luis Water District	2,450	2,450				
				Pacheco Water District	326					
				Panoche Water District	30		30			
				City of Dos Palos	80					
				Check No. 14	95.06					
		98.15 Thru 104.20		San Luis Water District	262	262				
4	15	96.15 Thru 102.64		Panoche Water District	912	912				
				(Floodwater Inflow)	0					
				Broadview Water District	0					
				102.64						
				105.22 Thru 108.64	Westlands Water District	5,121	5,121			
		Check No.15	108.50							
				Reach 4 Subtotal:	9,181	9,181	0	0	0	
				San Felipe Division Total:	2,180	2,180	0	0	0	
				Pacheco Water District Total:	326	326	0	0	0	
				Broadview Water District Total:	0	0	0	0	0	
				City of Dos Palos Total:	80	80	0	0	0	
				SLWD Reach 4 Subtotal:	2,712	2,712	0	0	0	
				Panoche Water District Total:	942	942	0	0	0	
				SLWD Total:	3,082	3,082	0	0	0	
				Westlands WD Reach 4 Subtotal:	5,121	5,121	0	0	0	

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

April 2006

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
5	16		110.52	(Reverse flow, Kings River)	0	5,067		0	0		
				Westlands Water District	5,067						
				Thru	0						
				Dept. of Fish and Game @ Lat. 4L	0						
				Dept. of Fish and Game @ Lat. 6L	0						
	17		122.05	Dept. of Fish and Game @ Lat. 7L	31	5,297		17	14		
				Check No. 16	122.07						
				124.18	Westlands Water District						
	18		132.74	Thru	5,297	6,863		0	0		
				Check No. 17	132.95						
			133.81	142.61	Westlands Water District						
				Pleasant Valley Pumping Plant	143.16						
				143.16	Westlands Water District						
			143.23	City of Coalinga	401	5,394		17	14		
				Check No. 18	143.23						
				Reach 5 Subtotal:	23,053	23,022	0	17	14		
6	19		145.26	GWF Energy	0	25	1/ 107	0	0		
				City of Huron	25						
				Kings County to Lemoore NAS Through WWD	107						
				Kings County through WWD 30L	0						
				Westlands Water District	6,438						
			155.64	Check No. 19	6,463	6,438	107	0	0		
				Reach 6 Subtotal:	6,570						
7	20		156.34	City of Huron	83	83	0	0	0		
				SWP Construction @ Lat. 24R	0						
				Thru	3,472						
			163.69	Westlands Water District	3,472						
				Check No. 20	201						
	21		164.69	City of Avenal	201	201	0	0	0		
				164.79	Westlands Water District						
				Thru	2,062						
			171.67	167.04	2,062						
				Check No. 21	161,857						
				Reach 7 Total:	5,818	5,818	0	0	0		
				SWP Construction Total:	0	0	0	0	0		
				Westlands WD Total:	39,714	39,714	0	0	0		
				City of Coalinga Total:	401	401	0	0	0		
				City of Huron Total:	108	108	0	0	0		
				Kings County to Lemoore NAS Through WWD	107	0	107	0	0		
				City of Avenal Total:	201	201	0	0	0		
Total San Luis Field Division Deliveries:					47,195	47,034	107	30	24		

1/ Long-term POD to Lemoore Naval Air Base - includes 17 AF of Table A water and 90 AF of Article 21 water.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations

April 2006

United States
 Department of the Interior
 Bureau of Reclamation
 Central Valley Project

State of California
 The Resources Agency
 Department of Water Resources
 State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Mar 31	28,871								
1	28,682	-189	0	3,268	55	15	343	3,009	59
2	29,363	681	0	4,252	55	15	343	3,640	144
3	29,424	61	0	2,540	55	15	343	2,223	127
4	28,627	-797	0	1,431	55	15	343	1,649	229
5	28,084	-543	25	1,718	55	18	346	1,698	100
6	27,957	-127	5	1,950	52	12	378	1,577	-1
7	27,875	-82	4	2,652	52	12	378	2,217	-38
8	28,582	707	0	3,705	52	12	378	2,622	-285
9	28,926	344	0	3,125	52	12	378	2,455	-54
10	28,705	-221	0	2,232	52	12	378	1,941	39
11	28,589	-116	0	1,927	52	12	378	1,507	-37
12	28,691	102	0	2,570	53	15	381	1,962	-107
13	28,064	-627	0	2,327	44	13	652	2,051	117
14	28,024	-40	0	2,568	44	13	652	1,860	-19
15	28,746	722	0	2,832	44	13	652	1,701	-58
16	29,627	881	0	2,973	44	13	652	2,208	388
17	28,362	-1,265	0	1,924	44	13	652	1,952	99
18	27,739	-623	0	2,590	44	13	652	1,952	-243
19	28,431	692	0	4,363	46	16	655	2,936	-361
20	26,374	-2,057	0	3,360	56	15	973	3,225	-128
21	27,810	1,436	0	5,428	56	15	973	3,479	-181
22	28,033	223	18	5,009	56	15	973	3,983	113
23	28,319	286	34	5,518	56	15	973	4,763	399
24	28,668	349	16	3,699	56	15	973	2,773	278
25	28,271	-397	7	4,151	57	15	973	3,375	62
26	27,916	-355	5	4,285	57	17	974	3,448	26
27	27,354	-562	4	4,543	57	27	1,176	3,731	161
28	28,374	1,020	0	5,567	57	27	1,176	3,709	-84
29	28,202	-172	0	4,959	57	27	1,176	3,783	-3
30	28,662	460	0	5,573	57	28	1,176	4,173	93
Total		-209	118	103,039	1,572	475	20,450	81,602	835
Mean cfs		---	4	3,435	52	16	682	2,720	28
Acre-feet		-209	234	204,384	3,118	942	40,562	161,857	1,652

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 327 AF to Pacheco W.D., 80 AF to the City of Dos Palos, and 2,711 AF to San Luis Water District.

3/ Includes 83 AF to the City of Huron, 201 AF to the City of Avenal, 401 AF to the City of Coalinga, 25 AF City of Huron P&R @ 22R, 107 AF to Lemoore N.A.S. @ 29L, 0 AF to GWF @ 30L, 0 AF to Kings County @ 30L, 1 AF to Broadview WD @ 3L, 0 AF to DFG @ 4L, 0 AF to Pilobos Wildlife @ 4L, 0 AF to Mendota Fowl Habitat Are @ 6L, 31 AF to DFG @ 7L, 0 AF to SWP construction, 5,394 AF to Pleasant Valley Pumping Plant, and 34,319 AF to Westlands Water District.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

April 2006

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	145	145	43	39	46	4,413	4,266	4,081	4,025
2	81	81	38	34	40	5,750	6,099	5,862	5,820
3	82	82	35	33	36	3,006	3,167	2,928	2,885
4	105	105	44	40	46	2,960	2,864	2,725	2,737
5	83	83	49	45	52	2,763	2,908	2,621	2,567
6	57	57	46	43	48	2,894	2,874	2,623	2,570
7	80	80	40	37	33	4,025	4,278	3,944	3,914
8	74	74	46	42	47	4,414	4,304	3,928	3,840
9	60	60	47	43	47	4,667	4,974	4,688	4,672
10	68	68	43	38	44	3,370	3,513	3,219	3,206
11	138	138	41	37	41	2,521	2,485	2,379	2,255
12	146	146	40	37	41	3,214	3,290	3,017	2,940
13	135	135	38	35	40	3,422	3,406	3,098	3,025
14	87	87	44	41	47	2,855	2,697	2,483	2,483
15	128	128	43	40	47	2,786	2,660	2,562	2,494
16	152	152	58	53	60	3,736	4,100	3,955	3,957
17	145	145	50	46	51	3,335	3,478	3,169	3,052
18	213	213	58	52	57	2,964	2,786	2,383	2,375
19	207	207	43	39	45	4,267	3,934	3,538	3,540
20	243	243	40	37	41	4,838	4,648	4,201	4,137
21	257	257	35	32	35	4,984	5,061	4,693	4,699
22	248	248	50	46	52	6,143	6,113	5,576	5,656
23	163	163	46	42	47	8,198	8,421	7,937	8,083
24	186	186	47	73	49	4,033	4,064	3,651	3,631
25	263	263	67	62	68	4,543	4,233	3,828	3,855
26	234	234	60	51	45	4,867	4,795	4,461	4,448
27	202	202	61	57	62	4,970	4,626	4,363	4,275
28	374	374	61	57	62	4,898	4,829	4,535	4,520
29	537	537	53	51	59	4,941	5,016	4,719	4,684
30	256	256	52	45	49	6,692	6,986	6,460	6,497
Total	5,149	5,149	1,418	1,327	1,437	126,469	126,875	117,627	116,842

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

April 2006

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries									
	Beginning and Ending		Mile			Table A	USBR	Article 21	Other Article 21	Other Table A	Exchange				
	No.	Structure													
7	21	Check No. 21	172.40		161,857										
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	0	52	182	184 153 44 967							
				County of Kings TL - A	0										
				Tulare Lake Basin WSD TL-A	184										
				175.18 Dudley Ridge WD - 1	153										
				177.54 Dudley Ridge WD - 1B	52										
				180.64 Tulare Lake Basin WSD - C	0										
				180.65 Dudley Ridge WD - 1A	0										
				182.99 Dudley Ridge WD - 2	226										
				183.00 Tulare Lake Basin WSD TL - B	967										
					0										
31A	8D			184.00 Dudley Ridge WD - Paramount	1	1	316	44							
				184.63 Coastal Branch	5,149										
8D				184.78 Dudley Ridge WD - 3	360	551	0	241	0	0	0				
				Dudley Ridge Reach 8D Total:	792										
9	23		184.82	Tulare Lake Basin WSD Total:	1,151	0	0	1,151	0	0	0				
				189.69 Kern County Water Agency Lost Hills Water Dist. - 1	1,393										
				191.18 Kern County Water Agency Lost Hills Water Dist. - 2	321										
				194.22 Kern County Water Agency Lost Hills Water Dist. - 3	0										
				196.40 Kern County Water Agency Berrenda Mesa - 2	0										
				196.75 Kern County Water Agency Lost Hills Water Dist. - 4	0										
				KCWA Reach 9 Subtotal:	1,714										
				Check No. 23	197.05										
10A	24		201.24	Kern County Water Agency Lost Hills Water Dist. - 7	436	436	775	916	1,167 8,615	2/ 2,581	3/ 996				
				Kern County Water Agency Lost Hills Water Dist. - 5	775										
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0										
				205.26 Kern County Water Agency Lost Hills Water Dist. - 8	4										
				Check No. 24	207.94										
			209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	916		1/ 255								
				Kern National Wildlife Refuge USBR BV-1B	255										
				Kern County Water Agency Buena Vista WSD 1B	0										
				KCWA Semitropic WSD	4,844										
				KCWA Semitropic WSD Penstocks	8,615										
			209.80	USBR Total:	255	100	0	255	0	0	0				
				KCWA Reach 10A Subtotal:	15,590										

1/ Water supplied to Rosedale Rio Bravo and then moved to Kern National Wildlife Refuge.

2/ SCVWD's Art. 21 water delivered to Semitropic WSD for banking.

3/ ACWD's Table A water delivered to Semitropic WSD for banking.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

April 2006

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Structure			Table A	USBR	Article 21	Other Article 21	Other Table A	Exchange	
	No.	Structure	Mile									
11B	25		210.75	Kern County Water Agency Belridge - 2	0	2,500	107	1,664	103	0	0	
			214.11	Kern County Water Agency Belridge - 3	107							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5A-C	4,164							
				Kern County Water Agency Belridge - 5D	103							
		Check No. 25	217.79									
				KCWA Reach 11B Subtotal:	4,374	2,500	0	1,874	0	0	0	
12D	26		219.58	Kern County Water Agency Belridge - 6	0	245						
				Kern County Water Agency West Kern - 3	245							
	Check No. 26	224.92										
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0	160	2/ 1,095					
			Check No. 27	231.73								
	28		235.75	Kern County Water Agency Buena Vista - 2	0							
				Kern County WA CVC	1,255							
				Dudley Ridge WD CVC	0							
			238.04	Tulare Co.	0							
				Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda								
	Check No. 28	238.11		DWR Wells	0							
				1/ Arvin Edison Total:	0	0	0	0	0	0	0	
				Reach 12E Subtotal:	1,255	0	0	160	0	0	1,095	
13B	29		238.19	Kern Water Bank Inflow	0	1,079	3/ 122					
				Kern Water Bank Outflow	1,201							
			241.02	Kern River Intertie (inflow)	0							
			242.85	KCWA Buena Vista WSD - 7	0							
				KCWA Buena Vista WSD - 5	175							
			243.09	Kern County Water Agency Buena Vista - 3	0							
	Check No. 29	244.54										
			249.85	Kern County Water Agency Buena Vista - 4	195							
		Buena Vista Pumping Plant	250.99		126,469	195						
				KCWA Reach 13B Subtotal:	1,571	0	0	1,449	122	0	0	
14A	31		254.47	Kern County Water Agency West Kern - 2	0	36						
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	36							

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Panoche WD's CVP water delivered to Rosedale Rio Bravo WSD.

3/ DRWD Article 21 water.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

April 2006

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Table A	USBR	Article 21	Other Article 21	Other Table A	Exchange		
	No.	Structure	Mile										
14A	31	Check No. 31	256.14			232	785						
	32		258.61		Kern County Water Agency Wheeler Ridge-Maricopa - 3	232							
			260.44		Kern County Water Agency Wheeler Ridge-Maricopa - 4	785							
		Check No. 32	261.72										
		KCWA Reach 14A Subtotal:			1,053	1,053	0	0	0	0	0		
14B	33		264.42		Kern County Water Agency Wheeler Ridge-Maricopa - 5	1,631	366	1,331					
			266.91		Kern County Water Agency Wheeler Ridge-Maricopa - 6	366							
		Check No. 33	267.36										
	34		270.24		Kern County Water Agency Wheeler Ridge-Maricopa - 7	1,331							
			271.27										
	Reach 14B Total:				3,328	3,328	0	0	0	0	0		
14C	35		272.39		Kern County Water Agency Wheeler Ridge-Maricopa - 8	543	543	541					
			276.09		Kern County Water Agency Wheeler Ridge-Maricopa - 9	541							
			277.30		Kern County Water Agency Arvin-Edison WSD	0							
		Reach 14C Total:			1,084	1,084	0	0	0	0	0		
		Teerink Pumping Plant	278.13		126,875								
15A	36		279.02		Kern County Water Agency Wheeler Ridge-Maricopa - 9A	135	3,733	135					
			280.06		Kern County Water Agency Wheeler Ridge-Maricopa - 10	3,733							
		Reach 15A Total:			3,868	3,868	0	0	0	0	0		
		Chrisman Pumping Plant	280.36		117,627								
16A	37		282.06		Kern County Water Agency Wheeler Ridge-Maricopa - 11	0	15	12					
			283.95										
			285.01		Kern County Water Agency Wheeler Ridge-Maricopa - 12	15							
			286.39		Kern County Water Agency Wheeler Ridge-Maricopa - 13A	12							
			287.06		Kern County Water Agency Wheeler Ridge-Maricopa - 13	0							
		Check No. 38	287.09										
			287.62		Kern County Water Agency Wheeler Ridge-Maricopa - 13B	176							
			290.21										
	39		291.26		Kern County Water Agency Wheeler Ridge-Maricopa - 14	797	797	97					
			293.07		Kern County Water Agency Wheeler Ridge-Maricopa - 15	97							
			Kern County Water Agency Tehachapi Cummings CWD			0							
		KCWA Reach 16A Subtotal:			1,097	1,097	0	0	0	0	0		
17E	Edmonston Pumping Plant	293.45			116,842								

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

April 2006

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	USBR	Article 21	Other Article 21	Other Table A	Exchange	
	No.	Structure	Mile								
31A	C-1	Coastal Branch Control	0.02		5,149	355	3,427	0	0	0	
		Las Perillas Pumping Plant	1.16		5,149						
	C-2		3.79	Green Valley Water District	0						
		Badger Hill Pumping Plant	4.27		5,149						
	C-3	Coastal Check No. 3	7.21								
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0						
		Coastal Check No. 4	9.34								
	C-5	Coastal Check No. 5	12.20								
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	355						
			14.83	Kern County Water Agency Berrenda Mesa - 1	3,427						
				Kern County Water Agency Berrenda Mesa - PO	0						
		Devil's Den Pumping Plant	14.86		1,418						
				KCWA Reach 31A Subtotal:	3,782	3,782	0	0	0	0	
				KCWA Total:	38,961	19,986	0	14,181	2,703	996	
33A	C-7	Bluestone Pumping Plant	19.05		1,327	1,156	207	84	0	0	
	C-8	Polonio Pass Pumping Plant	26.54		1,437						
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0						
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	1,156						
		Tank Site 2	58.63	Central Coast:	0						
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	291	1,363	0	84	0	0	
		Energy Dissipater	78.12								
	Lopez T.O.		85.86	SLOCFC & WCD	0						
35	C-12			CCWA Total:	1,447						
		Guadalupe T.O.	102.70	SBCFC & WCD	0						
		Santa Maria T.O.	107.43	SBCFC & WCD	0						
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0						
38				SBCFC & WCD Total:	0	0	0	0	0	0	
		Tank Site 5	115.42								

Table 24. Southern Field Division Plant Data

(in acre-feet)

April 2006

Date	West Branch					East Branch								East Branch Extension			
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley	
		Generation	Leakage	Generation 1/	Pumpback 1/	Bypass Through Plant	Cottonwood Chute	Generation		Leakage	Bypass Flume						
28	1	1,279	716	0	1,685	0	2,203	0	12	2,219	2,051	0	0	2,728	0	0	0
	2	2,115	755	0	2,162	0	2,996	0	17	2,777	2,175	0	0	2,564	0	0	0
	3	623	1,233	0	650	0	1,973	0	381	2,149	1,777	0	0	2,701	26	26	8
	4	687	963	0	555	0	2,079	0	0	2,014	2,358	0	0	2,209	0	0	4
	5	615	396	0	416	0	1,924	0	0	1,911	1,982	0	0	2,084	0	0	0
	6	640	929	0	1,818	780	1,998	0	0	2,029	1,758	0	0	2,298	0	0	0
	7	1,700	826	0	1,958	758	2,143	0	0	1,256	1,431	0	0	2,449	0	0	0
	8	994	847	0	2,210	766	2,740	0	56	3,127	2,729	0	0	2,185	0	0	0
	9	1,464	808	0	2,680	1,597	3,037	0	155	2,849	2,875	0	0	2,383	0	0	0
	10	683	906	0	2,941	2,319	2,411	0	140	2,161	2,139	0	0	2,418	30	28	9
	11	603	837	0	3,986	2,292	1,729	0	0	1,405	1,496	0	0	2,481	8	0	5
	12	603	837	0	2,824	1,497	2,008	0	289	2,077	2,069	0	0	2,445	8	0	5
	13	735	865	0	3,987	3,768	2,218	0	51	2,038	1,965	0	0	2,234	8	0	5
	14	679	1,154	0	4,503	1,850	1,786	0	0	1,240	1,138	0	0	1,926	22	15	4
	15	600	867	0	355	3,602	2,008	0	0	1,826	1,915	0	0	1,837	18	11	0
	16	1,138	956	0	258	1,338	2,671	0	0	2,686	2,345	0	0	1,869	22	14	0
	17	1,094	1,533	0	5,263	0	2,023	0	0	1,536	1,685	0	0	2,224	31	22	5
	18	1,125	1,490	0	3,002	0	1,304	0	0	1,384	1,239	0	0	2,239	8	0	5
	19	1,172	1,505	0	2,354	1,826	1,482	0	214	1,649	1,623	0	0	2,433	8	0	5
	20	1,757	1,474	0	2,941	708	2,015	0	0	2,205	2,132	0	0	2,488	8	0	4
	21	1,821	1,610	0	3,095	1,630	2,606	0	240	2,448	2,480	0	0	2,399	31	23	4
	22	1,364	1,464	0	2,044	1,978	3,619	0	623	3,687	3,305	0	0	2,543	20	13	0
	23	3,863	1,455	0	2,505	1,312	3,616	0	517	3,898	3,867	0	0	2,384	8	0	0
	24	1,605	1,474	0	3,429	1,844	1,885	0	203	1,785	1,543	0	0	2,592	31	23	5
	25	1,275	1,533	0	3,066	800	2,471	0	0	2,581	2,673	0	0	2,415	7	0	5
	26	1,285	1,497	0	2,007	874	2,712	0	443	2,732	2,638	0	0	2,881	20	12	4
	27	1,271	1,488	0	2,840	1,329	2,717	0	258	2,661	2,669	0	0	2,866	8	0	4
	28	1,495	1,491	0	3,921	744	2,849	0	234	2,865	2,645	0	0	2,902	30	22	5
	29	1,101	1,375	0	700	1,100	3,076	0	406	2,918	2,901	0	0	2,724	7	0	0
	30	2,284	1,518	0	1,715	2,273	3,590	0	562	3,342	3,600	0	0	2,795	8	0	0
	Total	37,670	34,802	0	71,870	36,985	71,889	0	4,801	69,455	67,203	0	0	72,696	367	209	86

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

April 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	
				Project		Natural	Project		Natural			
				Castaic Powerplant Pumpback 1/	Warne Powerplant	Stream Flow	Castaic Powerplant Generation 1/	Recreation Deliveries	To Piru Creek			
Mar 31	2575.04	166,108										
1	2573.74	164,460	-1,648	0	716	343	1,685	0	994	0	-28	
2	2572.31	162,659	-1,801	0	755	364	2,162	0	754	0	-4	
3	2572.49	162,885	226	0	1,233	1,696	650	0	525	0	-1,528	
4	2574.36	165,244	2,359	0	963	5,765	555	0	3,316	0	-498	
5	2574.52	165,447	203	0	396	2,607	416	0	2,269	0	-115	
6	2574.13	164,953	-494	780	929	937	1,818	0	1,611	0	289	
7	2574.19	165,029	76	758	826	653	1,958	0	992	0	789	
8	2573.68	164,384	-645	766	847	564	2,210	0	797	0	185	
9	2573.52	164,182	-202	1,597	808	553	2,680	0	625	0	145	
10	2573.71	164,422	240	2,319	906	456	2,941	0	411	0	-89	
11	2573.01	163,539	-883	2,292	837	348	3,986	0	327	0	-47	
12	2572.59	163,011	-528	1,497	837	314	2,824	0	298	0	-54	
13	2573.15	163,715	704	3,768	865	304	3,987	0	258	0	12	
14	2572.00	162,271	-1,444	1,850	1,154	286	4,503	0	250	0	19	
15	2575.36	166,515	4,244	3,602	867	273	355	0	248	0	105	
16	2577.02	168,639	2,124	1,338	956	246	258	0	250	0	92	
17	2573.98	164,763	-3,876	0	1,533	236	5,263	0	250	0	-132	
18	2572.56	162,973	-1,790	0	1,490	229	3,002	0	250	0	-257	
19	2573.33	163,942	969	1,826	1,505	220	2,354	0	254	0	26	
20	2573.07	163,614	-328	708	1,474	207	2,941	0	200	0	424	
21	2573.03	163,564	-50	1,630	1,610	194	3,095	0	200	0	-189	
22	2574.22	165,067	1,503	1,978	1,464	186	2,044	0	200	0	119	
23	2574.47	165,384	317	1,312	1,455	181	2,505	0	200	0	74	
24	2574.00	164,788	-596	1,844	1,474	179	3,429	0	198	0	-466	
25	2573.10	163,652	-1,136	800	1,533	163	3,066	0	198	0	-368	
26	2574.07	164,877	1,225	874	1,497	157	2,007	0	159	0	863	
27	2573.89	164,649	-228	1,329	1,488	155	2,840	0	159	0	-201	
28	2572.32	162,672	-1,977	744	1,491	154	3,921	0	159	0	-286	
29	2573.77	164,498	1,826	1,100	1,375	157	700	0	159	0	53	
30	2575.75	167,012	2,514	2,273	1,518	157	1,715	0	159	0	440	
Total				904	36,985	34,802	18,284	71,870	0	16,670	0	-627

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

April 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
Mar 31	1513.50	20,556								
1	1513.70	20,636	80	1,685	93	0	93	1,563	-42	
2	1517.40	22,146	1,510	2,162	77	0	77	574	-78	
3	1519.10	22,859	713	650	121	0	121	0	63	
4	1515.80	21,486	-1,373	555	381	0	381	1,546	-382	
5	1517.90	22,354	868	416	528	0	528	0	452	
6	1513.70	20,636	-1,718	1,818	260	780	260	1,968	-788	
7	1513.50	20,556	-80	1,958	177	758	177	1,252	-28	
8	1517.20	22,063	1,507	2,210	133	766	133	0	63	
9	1520.00	23,241	1,178	2,680	110	1,597	110	0	95	
10	1515.20	21,242	-1,999	2,941	104	2,319	104	2,273	-348	
11	1519.65	23,092	1,850	3,986	101	2,292	101	0	156	
12	1516.80	21,897	-1,195	2,824	87	1,497	87	2,333	-189	
13	1517.50	22,188	291	3,987	84	3,768	84	0	72	
14	1518.00	22,396	208	4,503	95	1,850	95	2,267	-178	
15	1510.55	19,396	-3,000	355	93	3,602	93	0	247	
16	1507.90	18,385	-1,011	258	79	1,338	79	0	69	
17	1520.80	23,583	5,198	5,263	68	0	68	0	-65	
18	1521.00	23,668	85	3,002	62	0	62	2,614	-303	
19	1516.20	21,650	-2,018	2,354	56	1,826	56	2,492	-54	
20	1521.50	23,884	2,234	2,941	50	708	50	0	1	
21	1519.30	22,943	-941	3,095	46	1,630	46	2,310	-96	
22	1513.90	20,716	-2,227	2,044	44	1,978	44	2,251	-42	
23	1516.50	21,773	1,057	2,505	39	1,312	39	0	-136	
24	1520.30	23,369	1,596	3,429	37	1,844	37	0	11	
25	1517.60	22,229	-1,140	3,066	36	800	36	3,314	-92	
26	1514.20	20,837	-1,392	2,007	34	874	34	2,492	-33	
27	1517.70	22,271	1,434	2,840	33	1,329	33	0	-77	
28	1518.70	22,690	419	3,921	30	744	30	2,663	-95	
29	1516.70	21,856	-834	700	31	1,100	31	405	-29	
30	1515.40	21,323	-533	1,715	29	2,273	29	0	25	
Total				767	71,870	3,118	36,985	3,118	32,317	
									-1,801	

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

April 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries		
				Natural	Project				
Mar 31	1512.31	317,719							
1	1512.70	318,582	863	93	1,563	194	1,267	0 280	
2	1512.49	318,117	-465	77	574	133	1,297	0 48	
3	1511.66	316,284	-1,833	121	0	114	1,690	89 -289	
4	1512.17	317,410	1,126	381	1,546	378	1,686	179 686	
5	1511.72	316,416	-994	528	0	821	1,166	298 -879	
6	1512.35	317,808	1,392	260	1,968	433	1,276	841 848	
7	1512.29	317,675	-133	177	1,252	281	1,183	840 180	
8	1511.72	316,416	-1,259	133	0	209	1,131	518 48	
9	1511.14	315,139	-1,277	110	0	164	1,038	296 -217	
10	1511.80	316,593	1,454	104	2,273	131	1,071	198 215	
11	1511.34	315,579	-1,014	101	0	139	1,043	175 -36	
12	1511.99	317,012	1,433	87	2,333	116	1,037	194 128	
13	1511.51	315,953	-1,059	84	0	96	1,006	198 -35	
14	1512.20	317,476	1,523	95	2,267	94	1,030	198 295	
15	1511.69	316,350	-1,126	93	0	92	1,014	155 -142	
16	1511.18	315,227	-1,123	79	0	82	992	155 -137	
17	1510.73	314,237	-990	68	0	74	978	155 1	
18	1511.54	316,020	1,783	62	2,614	66	1,094	155 290	
19	1512.08	317,211	1,191	56	2,492	62	1,235	153 -31	
20	1511.47	315,865	-1,346	50	0	59	1,372	155 72	
21	1511.89	316,791	926	46	2,310	56	1,391	105 10	
22	1512.37	317,852	1,061	44	2,251	56	1,388	105 203	
23	1511.80	316,593	-1,259	39	0	56	1,288	103 37	
24	1511.23	315,337	-1,256	37	0	56	1,238	109 -2	
25	1512.11	317,277	1,940	36	3,314	59	1,290	107 -72	
26	1512.74	318,671	1,394	34	2,492	58	1,300	103 213	
27	1512.14	317,343	-1,328	33	0	58	1,286	105 -28	
28	1512.75	318,693	1,350	30	2,663	52	1,297	105 7	
29	1512.42	317,962	-731	31	405	51	1,182	105 69	
30	1511.86	316,725	-1,237	29	0	50	1,260	108 52	
Total				-994	3,118	32,317	4,290	36,526	
								6,007 1,814	

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

April 2006

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A	Recreation	Article 21	Local	Article 14B	
	No.	Structure	Mile								
29A	42	Oso Pumping Plant	1.49		37,670						
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Removed	20	1,021	347	0	22,108	
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub						
29G		Warne Power Plant	14.07		34,802						
29H	W3	Pyramid Lake		USFS Pyramid Recreation (T300)	0	20	13,030	0	0	0	
		Pyramid Dam	17.10	California State Park Piru Fish (T300)	0						
29J		Castaic Power Plant	25.82	(36,985 AF pumpback) 2/	71,870						
30 1/	W4	Elderberry Forebay				14,398	20	0	0	22,108	
		Forebay Dam	28.12								
		Castaic Lake		California State Park Castaic Lake Recreation (T301)	20						
		Castaic Dam	31.47								
		Castaic Lake Outlet	31.55	MWDSC 78" & 132" (T302)	35,138						
				Castaic Lake WA 18", 24" & 54" (T303)	1,021						
				Castaic Lake WA Rio Vista T.P. (T304)	347						
				MWD-Ventura Co. WPD (T302)	0						
				Releases to Lagoon	6,007						
				Reach 30 Subtotal:	36,526						
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0						
		Castaic Lagoon Outlet	31.87		5,936						

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

April 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
							Project		Del. To Mojave W.A.	Natural To Mojave River				
Mar 31	3349.38	69,594		Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel					
1	3348.90	69,145	-449	2,051	0	225	3	0	2,728	0	75	81	23	
2	3348.56	68,828	-317	2,175	0	154	3	0	2,564	0	51	-28	23	
3	3347.69	68,020	-808	1,777	0	106	3	0	2,701	0	0	13	23	
4	3348.45	68,725	705	2,358	0	758	3	0	2,209	0	22	-177	23	
5	3349.38	69,594	869	1,982	0	1,664	2	1	2,084	0	476	-214	23	
6	3348.70	68,958	-636	1,758	0	687	2	0	2,298	0	554	-227	23	
7	3347.95	68,261	-697	1,431	0	348	2	0	2,449	0	143	118	23	
8	3348.68	68,940	679	2,729	0	259	2	0	2,185	0	143	21	23	
9	3349.38	69,594	654	2,875	0	193	3	0	2,383	0	72	44	23	
10	3349.18	69,407	-187	2,139	0	163	2	0	2,418	0	1	-68	23	
11	3348.26	68,549	-858	1,496	0	136	2	1	2,481	0	1	-5	23	
12	3348.26	68,549	0	2,069	0	124	2	0	2,445	0	1	255	23	
13	3347.86	68,177	-372	1,965	0	114	2	0	2,234	0	1	-214	23	
14	3347.69	68,020	-157	1,138	0	323	1	0	1,926	0	51	360	23	
15	3347.81	68,131	111	1,915	0	478	0	0	1,837	0	191	-254	23	
16	3348.23	68,521	390	2,345	0	181	0	0	1,869	0	191	-76	23	
17	3347.64	67,974	-547	1,685	0	141	0	0	2,224	0	191	42	23	
18	3346.57	66,988	-986	1,239	0	114	0	1	2,239	0	189	90	23	
19	3345.67	66,164	-824	1,623	0	101	0	0	2,433	0	125	10	23	
20	3345.42	65,936	-228	2,132	0	94	0	0	2,488	0	76	110	23	
21	3345.53	66,036	100	2,480	0	88	0	0	2,399	0	60	-9	23	
22	3346.65	67,061	1,025	3,305	0	88	0	0	2,543	0	51	226	23	
23	3348.31	68,595	1,534	3,867	0	88	0	0	2,384	0	50	13	23	
24	3347.58	67,918	-677	1,543	0	77	0	1	2,592	0	51	347	23	
25	3347.89	68,205	287	2,673	0	69	0	0	2,415	0	50	10	23	
26	3347.86	68,177	-28	2,638	0	69	0	0	2,881	0	50	196	23	
27	3347.69	68,020	-157	2,669	0	63	0	0	2,866	0	50	27	23	
28	3347.41	67,761	-259	2,645	0	62	0	0	2,902	0	51	-13	23	
29	3347.55	67,890	129	2,901	0	62	0	0	2,724	0	50	-60	23	
30	3348.56	68,828	938	3,600	0	61	0	0	2,795	0	52	124	23	
Total				-766	67,203	0	7,090	32	4	72,696	0	3,069	742	695

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

April 2006

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow	Outflow 1/	Computed Losses (-) Gains (+)
Mar 31	1561.04	70,830				
1	1561.04	70,830	0	206	144	-62
2	1561.04	70,830	0	246	145	-101
3	1561.13	70,996	166	224	145	87
4	1561.15	71,032	36	222	145	-41
5	1561.21	71,143	111	224	144	31
6	1561.21	71,143	0	179	55	-124
7	1561.10	70,940	-203	129	54	-278
8	1561.21	71,143	203	131	54	126
9	1561.21	71,143	0	95	54	-41
10	1561.21	71,143	0	83	55	-28
11	1561.21	71,143	0	95	55	-40
12	1561.15	71,032	-111	60	57	-114
13	1561.15	71,032	0	58	55	-3
14	1561.21	71,143	111	60	56	107
15	1561.10	70,940	-203	79	56	-226
16	1561.21	71,143	203	93	56	166
17	1561.24	71,199	56	95	56	17
18	1561.15	71,032	-167	71	56	-182
19	1561.13	70,996	-36	77	56	-57
20	1561.10	70,940	-56	89	56	-89
21	1561.10	70,940	0	85	56	-29
22	1561.10	70,940	0	71	56	-15
23	1561.07	70,885	-55	75	56	-74
24	1561.10	70,940	55	52	56	59
25	1561.04	70,830	-110	48	56	-102
26	1561.04	70,830	0	32	24	-8
27	1561.13	70,996	166	40	55	181
28	1561.10	70,940	-56	40	56	-40
29	1561.04	70,830	-110	28	5	-133
30	1561.04	70,830	0	50	6	-44
Total			0	3,037	1,980	-1,057

1/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

April 2006

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries										
	Beginning and Ending				Table A	Rec.	Article 21	Local	Article 14B	Purch. Pool A	Transfer				
	No.	Structure	Mile												
17E	40	Edmonston Pumping Plant	293.45												
	41		298.65	KCWA Tej.-Cas		Stub									
17F		Check No. 41	303.41												
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)			0								
		Check No. 42	304.99												
19	43	Alamo Powerplant	305.73	(Includes 71,889 AF of generation and 4,801 AF of flow down Cottonwood Chute)			76,690								
			306.71	AVEK 305th Street West (T287)											
			308.05	AVEK 294th Street West (T267)											
		Check No. 43	309.70												
	44		311.84	LADWP Connection			0								
			313.50	AVEK 245th Street West (T269)											
	Check No. 44		314.81												
	45		314.93	AVEK 235th Street West (T270)			0								
			315.57	AVEK 225th Street West (T271)											
	Check No. 45		319.74												
	46		323.19	Antelope Valley-East Kern WA Fairmont (T272)			1,136								
				Mojave Water Agency Fairmont (T272)											
		Check No. 46	323.84												
				Reach 19 Total:											
20A	47	Check No. 47	326.77												
	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)			29								
			329.65	Antelope Valley-East Kern WA 120th Street West											
		Check No. 48	330.82												
	49	Check No. 49	335.93												
	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)			3,505								
			339.68	Antelope Valley-East Kern WA Rancho Vista (T275)											
			340.92	AVEK WA-Temp (T387)											
20B	Check No. 50		341.51												
	51		342.06	AVEK WA-Temp (T386)			1								
	Check No. 51		342.07												
	52		342.95	Antelope Valley-East Kern WA 30th Street West (T414)			0								
		Check No. 52	343.74												
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)			79								
	Check No. 53		348.17												
21	54	Check No. 54	350.25												
	55	Check No. 55	352.70												
	56	Check No. 56	354.76												
	57		354.97	AVEK WA-Delivered through Littlerock Creek ID (T278)			0								
			354.97	Palmdale WD (T276)											
			354.97	Palmdale WD (T391)											
22A	Check No. 57		356.93												
	58		357.60	AVEK 95th Street East (T279)			45								
			357.72	AVEK 96th Street East (T280)											
			359.76	AVEK East Side Treatment Plant (T281)											

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

April 2006

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries							
	Beginning and Ending				Table A	Rec.	Article 21	Local	Article 14B	Purch. Pool A	Transfer	
	No.	Structure	Mile									
22B	58	Pearblossom Pumping Plant	360.61		69,455	2,469	393	4	32	11,638	1/ 695	
	59	Check No. 59	366.09									
	60		366.50	AVEK Big Rock Siphon (T368)	0							
	Check No. 60		373.94									
	61	Check No. 61	379.00									
	62	Check No. 62	384.26									
	63		389.20	Mojave Water Agency White Road 24" & 42" (T282)	2,469							
	Check No. 63											
	64	Check No. 64	395.10									
	65	Check No. 65	400.32									
23	66		401.10	Mojave Water Agency Morongo 24" & 42" (T284)	393							
	Check No. 66		403.41									
24	67	Mojave Siphon	405.58	Las Flores Ranch Exchange	695	19,175	9,330	4	32	11,638	1/ 695	
		Mojave Siphon Powerplant	405.65		67,203							
25	67	Silverwood Lake	407.65	MWA CS DAM (T288)	0	899	1,805	175	24,698	11,638	1/ 695	
				California State Park								
26A	68	San Bernardino Intake Tunnel	407.70	Silverwood (T288)	4	4,734	1,805	175	24,698	11,638	1/ 695	
				Crestline-Lake Arrowhead WA								
28G	68	Devil Canyon Afterbay Control Structures	412.88	Non-Project Water (T289)	32	1,805	1,805	175	24,698	11,638	1/ 695	
					72,696							
28H	69	Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292)	0	9,330	899	175	24,698	11,638	1/ 695	
				MWD-Rialto (T293)	30,813							
28J	69	Santa Ana Valley Pipeline	425.46	Desert Water Agency Transfer (T293)	0	4,734	1,805	175	24,698	11,638	1/ 695	
				Coachella Valley WD Transfer (T293)	0							
28J	69	Lake Perris	433.06	MWD EBX-1 (T290)	0	1,805	1,805	175	24,698	11,638	1/ 695	
				MWD EBX-1 (T291)	9,330							
28J	69	Lake Perris	440.05	East Branch Extension	899	1,805	1,805	175	24,698	11,638	1/ 695	
					0							
				MWD Total:	106,693	72,947	0	0	0	22,108	11,638	0

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

2/ Includes 5 AF to San Gabriel Valley MWD, 808 AF to San Bernardino Valley MWD, and 86 AF to San Gorgonio Pass WA.

Table 32. Water Quality At Selected SWP Locations

April 2006

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	34	76	43	48	44	45	45	45	44
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.1
Bromide	mg/l	<0.01	0.03	0.03	0.07	0.06	0.07	0.07	0.06	0.08
Calcium	mg/l	8	10	12	15	13	14	14	14	16
Carbon - Dissolved Organic	mg/l as C	NR	14.0	4.2	5.0	3.8	3.1	3.0	3.0	3.5
Carbon - Total Organic	mg/l as C	NR	15.2	4.5	5.2	4.2	3.2	3.1	3.1	3.4
Chloride	mg/l	1	12	16	26	23	27	28	28	31
Chromium	mg/l	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Copper	mg/l	<0.001	0.003	0.002	0.002	0.002	0.001	0.001	0.002	0.003
Fluoride	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness	mg/l as CaCO ₃	32	58	51	66	57	64	64	64	69
Iron	mg/l	<0.005	0.221	0.015	0.013	0.008	<0.005	0.006	0.008	0.015
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	3	8	5	7	6	7	7	7	7
Manganese	mg/l	<0.005	0.015	0.012	0.005	<0.005	<0.005	<0.005	<0.005	0.165
Nitrate + Nitrite	mg/l as N	<0.01	0.05	0.30	NR	0.40	0.29	0.38	0.32	0.54
Phosphorus-Ortho	mg/l as P	<0.01	0.15	0.07	NR	0.06	0.04	<0.01	0.03	0.05
Phosphorus-Total	mg/l	0.01	0.33	0.07	NR	0.11	0.06	0.06	0.06	0.06
Selenium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	mg/l	3	23	17	25	23	27	28	28	29
Specific Conductance	µS/cm	73	214	182	256	225	256	265	259	284
Sulfate	mg/l	2	8	17	29	25	31	33	32	32
Total Dissolved Solids	mg/l	48	139	101	153	132	146	148	146	157
Turbidity	NTU	6	23	7	13	9	2	4	5	1
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

April 2006

Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in milliSiemens/cm								Cl in mg/l			
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md	
38	1	4.37	2.27	126,001	126,001	96,064	0.17	0.00	0.15	0.15	0.19	0.18	0.40	0.92	0.20	48
	2	4.13	2.13	135,563	130,782	104,464	0.17	0.00	0.15	0.15	0.19	0.19	0.20	0.85	0.22	50
	3	4.49	2.51	142,683	134,749	110,130	0.17	0.00	0.15	0.15	0.19	0.19	0.21	0.86	0.26	51
	4	4.00	2.62	164,906	142,288	121,811	0.17	0.00	0.14	0.15	0.19	0.19	0.21	0.89	0.30	21
	5	4.08	2.86	215,924	157,015	154,401	0.18	0.00	0.12	0.15	0.19	0.19	0.20	0.91	0.26	52
	6	3.44	2.49	245,686	171,794	181,642	0.19	0.00	0.10	0.15	0.19	0.19	0.17	0.94	0.23	53
	7	3.58	2.59	243,717	182,069	183,717	0.16	0.00	0.10	0.15	0.16	0.19	0.15	0.93	0.23	54
	8	3.81	2.60	226,014	187,562	169,188	0.15	0.00	0.10	0.15	0.16	0.18	0.17	0.91	0.20	50
	9	3.58	2.46	210,609	190,123	157,001	0.15	0.00	0.10	0.14	0.17	0.18	0.19	0.86	0.24	53
	10	3.74	2.54	201,026	191,213	148,291	0.15	0.00	0.11	0.14	0.17	0.18	0.17	0.81	0.24	54
	11	3.86	2.67	194,312	191,495	139,101	0.15	0.00	0.11	0.13	0.17	0.18	0.15	0.77	0.21	55
	12	4.27	2.78	187,404	191,154	133,901	0.16	0.00	0.12	0.13	0.17	0.18	0.16	0.74	0.18	54
	13	4.15	2.61	200,271	191,855	144,232	0.16	0.00	0.12	0.13	0.17	0.18	0.17	0.67	0.19	55
	14	4.34	2.84	198,791	192,351	142,417	0.15	0.00	0.13	0.13	0.16	0.18	0.17	0.62	0.20	54
	15	4.47	2.71	203,824	193,116	148,592	0.14	0.00	0.12	0.12	0.16	0.17	0.40	0.62	0.19	56
	16	4.53	2.85	211,397	194,258	159,267	0.14	0.00	0.11	0.12	0.16	0.17	0.18	0.67	0.21	62
	17	4.32	2.37	218,242	195,669	164,378	0.15	0.00	0.11	0.12	0.16	0.17	0.18	0.61	0.21	60
	18	3.86	2.22	217,620	196,888	166,801	0.15	0.00	0.11	0.11	0.16	0.17	0.18	0.60	0.20	60
	19	3.81	2.31	208,348	197,492	159,968	0.14	0.00	0.11	0.11	0.15	0.17	0.18	0.66	0.20	60
	20	3.66	2.36	193,535	197,294	146,056	0.15	0.00	0.11	0.11	0.15	0.16	0.17	0.71	0.20	60
	21	3.54	2.30	173,280	196,150	128,702	0.16	0.00	0.12	0.11	0.15	0.16	0.16	0.76	0.22	60
	22	3.53	2.26	158,280	194,429	116,028	0.15	0.00	0.12	0.11	0.15	0.16	0.40	0.77	0.23	60
	23	3.49	2.18	151,529	192,564	109,481	0.16	0.00	0.13	0.12	0.15	0.16	0.16	0.79	0.23	60
	24	3.45	1.96	145,487	190,602	102,067	0.16	0.00	0.14	0.12	0.16	0.16	0.15	0.83	0.20	60
	25	3.70	2.05	138,553	188,520	96,337	0.16	0.00	0.14	0.12	0.15	0.16	0.15	0.85	0.16	60
	26	4.05	2.21	134,230	186,432	91,175	0.16	0.00	0.14	0.12	0.15	0.16	0.14	0.86	0.15	60
	27	4.36	2.26	131,152	184,385	87,975	0.16	0.00	0.14	0.12	0.15	0.15	0.14	0.86	0.14	60
	28	4.50	2.45	124,920	182,261	83,078	0.15	0.00	0.15	0.13	0.14	0.15	0.14	0.87	0.15	58
	29	4.64	2.47	122,494	180,200	81,294	0.15	0.00	0.15	0.13	0.14	0.15	0.40	0.84	0.14	60
	30	4.36	2.33	123,685	178,316	82,534	0.14	0.00	0.15	0.13	0.14	0.15	0.14	0.82	0.13	60

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

f = Excess Delta conditions with fish concerns.

N.R. = No Record.

N.C. = Not computed due to insufficient data.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

April 2006

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
NORTH BAY AQUEDUCT BARKER SLOUGH PUMPING PLANT	March 15, 2006	Diuron Simazine	4.60 0.46
HARVEY O.BANKS DELTA PUMPING PLANT	March 15, 2006	Simazine Diuron	0.05 0.40
O'NIELL FOREBAY OUTLET CHECK 13	March 15, 2006	Diuron Simazine	0.48 0.05
DELTA MENDOTA CANAL UPSTREAM OF McCABE ROAD	March 15, 2006	Diuron Simazine	0.47 0.05
CALIFORNIA AQUEDUCT NEAR KETTLEMAN CITY (CK 21)	March 14, 2006	Diuron Simazine	0.69 0.03
CALIFORNIA AQUEDUCT NEAR HYW 119 (CHECK 29)	March 15, 2005	none	
CALIFORNIA AQUEDUCT AT TEHACHAPI AFTERBAY (CK 41)	March 15, 2006	Diuron Simazine	0.60 0.02
DEVIL CANYON HEAD WORKS	March 15, 2006	Simazine Diuron	0.02 0.54

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)		April 2006						
Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	17,618,170	0	3,270	6,160	1,602,420	1,602,420	41,200	800
2	15,760,700	0	3,320	9,130	1,304,510	1,304,510	43,190	770
3	17,666,620	0	4,490	10,040	1,070,180	1,070,180	48,970	860
4	17,730,140	0	5,960	15,070	883,050	883,050	38,780	830
5	17,775,740	0	8,180	22,310	278,860	278,860	50,700	810
6	17,645,170	0	6,940	20,340	283,860	283,860	44,540	830
7	17,455,610	0	7,220	18,190	705,580	705,580	47,180	820
8	17,786,620	0	8,020	22,240	1,094,540	1,094,540	39,580	770
9	17,313,810	0	7,370	19,430	1,099,380	1,099,380	39,950	790
10	17,120,560	0	7,050	19,850	1,081,360	1,081,360	40,330	840
11	17,631,110	0	10,210	20,860	1,063,050	1,063,050	40,500	800
12	17,715,540	0	7,790	20,390	1,009,380	1,009,380	41,150	810
13	17,517,780	0	7,070	18,360	1,135,890	1,135,890	38,720	760
14	17,152,620	0	7,460	21,130	733,490	733,490	35,540	740
15	15,373,710	0	7,010	18,920	13,300	13,300	29,960	800
16	16,965,540	0	6,480	19,430	2,922,700	2,922,700	34,330	800
17	17,383,390	0	7,560	21,370	1,085,770	1,085,770	31,440	840
18	17,416,750	0	7,610	20,280	1,089,920	1,089,920	38,720	820
19	17,509,710	0	8,360	20,960	1,543,220	1,543,220	51,210	770
20	17,156,470	0	6,440	20,220	1,502,340	1,502,340	56,320	740
21	17,345,660	0	7,970	20,250	2,992,890	2,992,890	59,350	770
22	17,529,130	0	7,690	19,780	3,348,100	3,348,100	58,990	800
23	17,179,020	0	8,050	21,010	3,705,060	3,705,060	60,730	810
24	17,052,270	0	7,500	20,430	1,926,940	1,926,940	78,160	760
25	16,742,740	0	7,810	21,610	2,037,610	2,037,610	126,010	810
26	17,209,260	0	8,110	20,460	1,348,810	1,348,810	151,030	740
27	16,941,950	0	5,940	17,230	1,352,640	1,352,640	152,280	700
28	17,595,880	0	10,940	27,070	2,107,320	2,107,320	152,140	560
29	17,639,480	0	11,890	27,510	2,423,240	2,423,240	151,960	550
30	17,396,040	0	8,850	25,390	2,420,030	2,420,030	152,160	550
Total	518,327,190	0	222,560	585,420	45,165,440	45,165,440	1,975,120	23,050

Table 36. San Luis Field Division Energy Data

(in kWh)

April 2006

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	869,860	597,860	0	0	21,360	21,360
2	1,119,010	866,010	0	0	20,490	20,490
3	674,850	402,850	0	0	21,920	21,920
4	386,530	114,530	0	0	22,290	22,290
5	455,630	455,630	0	0	22,270	22,270
6	506,700	506,700	0	0	21,420	21,420
7	710,220	710,220	0	0	20,780	20,780
8	964,610	964,610	0	0	20,260	20,260
9	840,100	840,100	0	0	20,700	20,700
10	607,720	607,720	0	0	115,220	115,220
11	528,010	528,010	0	0	619,690	619,690
12	687,220	687,220	0	0	21,150	21,150
13	630,740	630,740	0	0	20,570	20,570
14	702,690	702,690	0	0	20,170	20,170
15	776,900	776,900	0	0	20,190	20,190
16	834,190	834,190	0	0	20,500	20,500
17	531,120	531,120	0	0	21,400	21,400
18	704,910	704,910	0	0	20,970	20,970
19	1,193,380	1,193,380	0	0	20,170	20,170
20	926,670	926,670	0	0	19,790	19,790
21	1,504,250	1,504,250	0	0	19,770	19,770
22	1,431,250	1,087,250	0	0	19,880	19,880
23	1,516,950	1,180,950	0	0	19,790	19,790
24	1,072,920	728,920	0	0	20,370	20,370
25	1,148,600	804,600	0	0	20,640	20,640
26	1,192,070	776,070	0	0	20,440	20,440
27	1,252,200	836,200	0	0	20,140	20,140
28	1,560,840	1,144,840	478,880	478,880	14,770	14,770
29	1,388,190	972,190	384,600	384,600	755,300	755,300
30	1,541,960	1,133,960	919,920	919,920	203,570	203,570
Total	28,260,290	23,751,290	1,783,400	1,783,400	2,225,980	2,225,980

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

April 2006

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	11,160	30,230	30,780	28,760	32,240	1,060,570	1,114,360	2,468,130	9,109,670
2	6,340	17,070	27,700	25,530	28,190	1,401,790	1,586,590	3,558,090	13,139,310
3	6,450	15,370	25,490	24,540	26,070	722,610	825,250	1,771,720	6,536,570
4	8,020	20,880	31,760	29,610	32,340	715,490	751,010	1,661,100	6,191,720
5	6,400	16,950	35,030	32,920	36,220	680,180	763,270	1,579,920	5,741,710
6	4,800	12,090	33,130	30,950	34,080	717,560	747,640	1,593,730	5,752,160
7	6,200	15,190	28,790	26,920	28,980	980,020	1,092,070	2,395,590	8,837,290
8	5,860	14,350	32,900	30,760	33,310	1,067,860	1,114,330	2,400,760	8,707,720
9	4,870	13,100	33,730	31,220	34,350	1,122,750	1,302,860	2,869,210	10,566,480
10	5,720	13,180	30,880	28,060	31,040	808,870	922,860	1,924,340	7,268,860
11	10,980	28,740	29,280	27,240	29,870	619,360	655,340	1,414,970	5,058,580
12	11,590	30,260	28,650	27,580	29,560	780,350	858,850	1,834,010	6,673,050
13	10,670	28,870	27,420	25,820	28,330	829,550	891,730	1,906,430	6,865,450
14	6,770	17,050	31,240	29,810	32,740	690,430	711,190	1,510,730	5,561,510
15	9,600	25,290	31,040	29,100	32,480	678,590	706,510	1,563,660	5,767,710
16	11,090	28,730	41,430	38,520	42,220	905,300	1,073,330	2,408,100	8,897,010
17	10,860	27,550	35,610	33,550	35,900	805,780	899,460	1,934,700	6,921,070
18	16,120	41,170	40,460	37,470	40,290	709,050	716,770	1,484,090	5,314,900
19	16,260	42,000	30,550	28,770	32,180	1,022,550	1,020,010	2,170,840	8,060,530
20	18,950	49,810	28,820	26,960	29,570	1,169,230	1,213,640	2,590,920	9,353,450
21	19,980	51,860	25,360	23,780	25,170	1,239,950	1,327,740	2,878,120	10,568,930
22	18,700	52,180	35,710	33,660	36,650	1,477,580	1,589,590	3,430,020	12,743,970
23	11,900	32,120	32,990	30,930	33,580	1,962,350	2,194,330	4,891,270	18,190,170
24	14,290	34,020	33,300	31,320	34,620	971,710	1,060,390	2,271,360	8,156,270
25	20,610	52,700	46,790	44,400	46,860	1,097,430	1,104,000	2,355,130	8,696,400
26	18,030	46,230	41,340	36,840	41,030	1,178,950	1,254,810	2,710,270	10,040,110
27	24,890	65,120	42,880	40,810	42,690	1,208,460	1,220,880	2,639,160	9,665,240
28	28,710	73,630	43,260	41,030	43,750	1,193,760	1,277,660	2,766,990	10,246,960
29	41,800	111,010	37,800	36,540	41,380	1,236,160	1,326,090	2,875,610	10,585,620
30	19,610	53,520	36,820	32,580	34,870	1,615,050	1,783,480	3,918,060	14,659,030
Total	407,230	1,060,270	1,010,940	945,980	1,030,560	30,669,290	33,106,040	71,777,030	263,877,450

Table 38. Southern Field Division Energy Data

(in kWh)

April 2006

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green Spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	336,851	430,370	720,000	261,798	1,499,511	3,236,561	157,180	1,365	516	366
2	552,030	463,130	690,000	351,958	1,787,557	3,048,200	172,913	1,336	566	347
3	164,465	726,580	840,000	227,245	1,460,758	3,257,634	144,502	17,403	22,026	1,566
4	184,079	596,100	840,000	243,790	1,370,867	2,654,035	188,182	1,326	496	957
5	163,911	233,430	840,000	222,854	1,298,784	2,553,659	156,695	1,591	655	366
6	171,465	567,750	2/ 840,000	237,144	1,415,085	2,759,068	136,175	1,463	655	366
7	447,921	517,290	2/ 840,000	250,831	845,942	2,925,129	110,176	1,404	575	375
8	263,990	532,110	2/ 840,000	331,299	2,095,503	2,657,219	212,174	1,385	516	356
9	386,960	506,360	2/ 840,000	364,913	1,925,155	2,890,457	231,319	1,365	486	356
10	184,515	567,970	2/ 840,000	291,594	1,462,014	2,931,408	167,277	19,829	23,435	1,791
11	163,634	522,300	2/ 840,000	204,341	952,403	3,018,968	116,792	5,873	486	1,022
12	163,099	526,380	2/ 840,000	234,929	1,399,202	2,940,674	166,060	5,844	486	1,116
13	195,188	535,670	2/ 840,000	263,904	1,409,262	2,732,882	157,437	5,893	486	1,154
14	182,416	683,830	2/ 840,000	213,222	845,683	2,327,581	79,826	15,164	13,047	938
15	161,723	530,730	2/ 840,000	233,732	1,236,211	2,240,734	156,695	12,719	9,535	375
16	301,287	588,270	2/ 840,000	324,308	1,815,972	2,292,692	178,629	15,066	12,094	366
17	287,891	924,640	3/ 1,440,000	243,701	1,047,168	2,691,466	131,072	20,340	18,792	1,022
18	299,020	898,010	3/ 1,440,000	151,325	950,239	2,687,935	92,860	5,618	486	985
19	308,535	855,510	3/ 1,440,000	171,835	1,124,736	2,927,017	138,281	5,755	486	1,069
20	466,228	887,340	3/ 1,440,000	235,532	1,491,097	3,007,615	177,453	5,667	496	1,032
21	475,337	945,890	3/ 1,440,000	307,595	1,657,797	2,894,353	206,448	19,888	19,357	844
22	360,752	882,250	3/ 1,440,000	425,109	2,479,222	3,065,585	275,208	13,072	11,073	356
23	1,008,000	880,390	3/ 1,440,000	421,638	2,625,334	2,897,706	312,510	5,490	496	356
24	422,327	922,460	3/ 1,440,000	217,731	1,208,704	3,131,547	123,932	20,536	19,258	1,004
25	335,832	894,440	3/ 1,440,000	297,241	1,739,043	2,929,984	219,838	5,520	496	1,013
26	336,792	905,200	3/ 1,440,000	321,806	1,840,837	3,472,943	212,233	13,848	10,785	994
27	336,693	889,390	3/ 1,440,000	324,130	1,794,556	3,452,561	214,725	5,785	486	1,079
28	394,723	898,340	3/ 1,440,000	342,534	1,940,728	3,477,729	210,789	19,397	18,444	1,004
29	292,683	900,660	3/ 1,440,000	369,403	1,982,183	3,226,206	242,128	5,137	496	403
30	595,069	904,770	3/ 1,440,000	423,645	2,254,666	3,338,795	293,651	5,637	496	413
Total	9,943,416	21,117,560	33,330,000	8,511,086	46,956,221	87,668,345	5,383,159	260,715	187,707	23,391

1/ Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations

2/ LADWP purchased all of SWP energy delivered at Sylmar on these days.

3/ LADWP purchased 840,000 kWh of SWP energy delivered at Sylmar on these days.